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ABSTRACT

For more than 35 years, this Guide has been the standard reference work for recognizing learning acquired in military life. All the courses offered by the Air Force are listed and briefly described. Each course description includes the course title and number: the length of the course, and where and when it was offered; the course objectives; the type of instruction; and recommendations about the type and amount of college credit that should be granted to those who have taken the course. Keyword and course number indexes to the course descriptions are provided. In addition, the Defense Activity for Non-Traditional Education Support (DANTES) Subject Standardized Tests are listed, along with recommendations for the amount of college credit that should be granted to those who passed the tests. (BW)

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1 Air Force

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The 1980 GUIDE to the EVALUATION of EDUCATIONAL EXPERIENCES in the ARMED SERVICES

Awarding Credit For Extrainstitutional Learning

The following statement by the ACE Commission on Educational Credit and Credentials has been approved by the ACE Board of Directors and endorsed by the Council on Postsecondary Accreditation.

The American Council on Education recommends that postsecondary education institutions develop policies and procedures for measuring and awarding credit for learning attained outside their sponsorship.[1]

American society abounds in resources for learning at the postsecondary level. Public, private, and proprietary education institutions exercise the central but not exclusive responsibility for instruction and learning. Associations, business, government, industry, the military, and unions sponsor formal instruction. In addition, independent study and reading, work experiences, the mass media, and social interaction contribute to learning and competency.

Full and effective use of all educational resources is a worthy educational and social goal. Achieving this goal will depend to a large extent on providing equitable recognition for extrainstitutional learning:

- Educational credentials have a significant bearing on the economic, professional, and social status of the individual. Thus, social equity requires that equivalent learning, regardless of where and how it is achieved, be incorporated into the system of records for learning and competency, and
- Recognition encourages learning and contributes to pedagogical effectiveness. Teaching students what they already know is both stultifying to them and wasteful of educational and personal resources.

Postsecondary education institutions legally authorized and accredited to award degrees and other educational credentials have a special responsibility to assess extrainstitutional learning as part of their credentialing function.

In the development of institutional policies and procedures, the American Council on Education recommends the following guidelines.

Guidelines

1. Reliable and valid evaluation of student achievement is the sine qua non in awarding credit. Experience, whether acquired at work, in social settings, in the library, at home, or in the formal classroom, is in itself an inadequate basis for awarding credit. Increased attention in choosing evaluation procedures and techniques and more thorough evaluation are necessary when learning has been attained without participation in a program of study prescribed by an educational institution and offered by its faculty.
2. In determining whether it is appropriate to accept a student's extrainstitutional learning for credit, the governing considerations should be its applicability to the student's program of study, including graduation requirements, and the relationship of the learning to the institution's mission, curricula and standards for student achievement. Learning should be articulated, documented and measured in these terms.
3. Institutions should evaluate extrainstitutional learning only in subject-matter fields in which they have or can arrange for faculty expertise or where they can rely on nationally validated examinations or other procedures for establishing credit equivalencies. Institutions should award credit in these areas only if the quality of learning meets their standards for student achievement. Normally, institutions should evaluate learning and award credit only in subject fields in which they offer courses or curricula. However, if the acquisition of college level learning outcomes has been demonstrated in an area not taught by the institution, but related to the student's program of study, an exception may and ought to be made.
4. Institutions awarding credit for extrainstitutional learning should develop clearly stated policies regarding administrative responsibility, student eligibility, means of assessment, recording of results on transcripts, storage of documentation, student fees, and maximum number of credits allowable. Information on these and related institutional policies and procedures should be disseminated to students and faculty for maximum awarenesss and utilization.
5. Institutional policy should include provision that the institution's policies and procedures for awarding credit for extrainstitutional learning should be subject to periodic reevaluation.

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[1] "Extrainstitutional learning" is defined as learning that is attained outside the sponsorship of legally authorized and accredited postsecondary educational institutions. The term applies to learning acquired from work and life experiences, independent reading and study, the mass media, and participation in formal courses sponsored by associations, business, government, industry, the military, and unions.

1 Air Force

The
1980
GUIDE to the EVALUATION of EDUCATIONAL EXPERIENCES in the ARMED SERVICES

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Foreword

For more than thirty-five years, the *Guide to the Evaluation of Educational Experiences in the Armed Services* has been the standard reference work for recognizing learning acquired in military life. ACE has worked cooperatively with the Department of Defense and the armed services in assisting hundreds of thousands of servicemen and women to achieve recognition for their learning. The long-term success of the *Guide* evaluation system for military training has resulted in it serving as a model for the evaluation of programs offered by other noncollegiate organizations, including business, industry, government agencies, voluntary and professional associations, and labor unions. Collectively, these efforts are resulting in students combining extra-institutional learning opportunities with study at postsecondary institutions to achieve degree-related educational objectives. Not only is this sound educational practice, it is also an efficient use of educational resources and an incentive for the persons affected to undertake further study.

Special recognition must be paid to hundreds of individuals who have served as evaluators and the many educational institutions, professional and disciplinary associations, and the apprenticeship training community for their wholehearted cooperation in this endeavor. Without their support and assistance, the *Guide* would not have been possible. We are greatly indebted to them.

Once again, we are pleased to commend this work to you in your continuing work with servicemen and women and veterans.

J. W. PELTASON
President
American Council on Education

How To Find and Use Course Exhibits

This volume contains recommendations for formal courses offered by the Air Force and the Department of Defense.

The instructions that follow provide a step-by-step procedure for finding and using the exhibits and recommendations. Readers unfamiliar with the ACE evaluation procedures should read the Appendix. Additional information on using the *Guide* and awarding credit is provided in the Questions and Answers section.

Step 1

Have the applicant complete a "Request for Course Recommendation" form.

A "Request for Course Recommendation" form appears at the back of this volume. It may be reproduced and should always be filled out by the applicant, using the information provided on official and personal records, as well as the applicant's own knowledge of the service course. *Applicants should never refer to the Guide while completing the form.* (See questions 4 through 8 in Questions and Answers.)

Step 2

Verify course completion from military records.

It is the responsibility of the school official to verify course completion. The following military records are normally used to verify successful completion of course requirements:

1. DD Form 295, "Application for the Evaluation of Educational Experience During Military Service"—available to active-duty service personnel from military education officers. (Form must be certified by an authorized commissioned officer or his designee in order to be official.)
2. DD Form 214, "Armed Forces of the United States Report of Transfer or Discharge"—available to veterans, together with other in-service training records from the General Services Administration, National Personnel Record Center (Military Personnel Records), 9700 Page Boulevard, St. Louis, Missouri 63132.
3. Course Completion Certificates—may be used to complement other records or when service courses are not recorded on official records.

(See questions 1, 3, 10, and 20 in Questions and Answers.)

The following steps refer to a "course exhibit." See sample course exhibit, page ix.

Step 3

Find the course exhibit by identifying the OECC ID Number in the Course Number Index or the Keyword Index.

A. *Course Number Index.* All available military course numbers are listed in the Course Number Index in alphanumeric sequence. If the applicant's military course number cannot be located in the Course Number Index, search for the course title in the Keyword Index.

B. *Keyword Index.* Identify all possible keywords within a formal course title. For example, the keywords in the title, "Ground Radio Communications Equipment Technician," are *Radio, Communications,* and *Ground.* Find one or all of those keywords in the Keyword Index and search the listing under the keyword for the course title. *If the title cannot be found under one keyword, search all other possible keywords.*

C. *Identify OECC ID Number.* When the title or military course number has been located, note the corresponding OECC ID Number. This number refers to the course exhibit's location in the *Guide.* The two-letter prefix refers to the section of the Course Exhibits chapter, i.e., AF=Air Force section and DD=Department of Defense section. Within each section, OECC ID Numbers are presented in numeric sequence. (See question 2 in Questions and Answers.)

Step 4

Match the course identifying information with the corresponding data in the course exhibit.

Course identifying information includes the official military title, military course number, length of course, dates of attendance, location, etc., and is provided by the applicant on the "Request for Course

Recommendation" form. When the course exhibit consists of multiple versions, determine which version applies to the applicant's course by considering exhibit dates and course length. (See questions 6, 7, 8, and 12 in Questions and Answers.) It is important to match all items.

Step 5

Read the course objectives and description.

Consideration should be given not only to the amount of credit and to the subject area, but also to the course objectives and description which are part of the course exhibit. These portions of the exhibit outline the course content and scope and also provide essential information about the nature of the course. (See question 9 in Questions and Answers.) This information is essential to you in determining the appropriate placement of credit for each individual student within the requirements and programs at your school.

Step 6

Award credit, as appropriate.

Users are free to modify the credit recommendations in accordance with institutional policy and the educational goals of each individual applicant.

See questions 11 and 13-17 in Questions and Answers.

Step 7

When assistance is required, contact the Office on Educational Credit and Credentials.

Whenever problems arise in Steps 1 through 6, and assistance is desired, contact the OECC Information Service at:

Office on Educational Credit and Credentials
American Council on Education
One Dupont Circle, N.W.
Washington, DC 20036
ATTN: Military Evaluations
(202) 833-4685

Sample Course Exhibit

ID Number. A number assigned by OECC to identify each course.

AF-1715-0529

Course Version Numbers and Titles. Version 1 is the most recent. If course has only one version, version number is omitted throughout exhibit.

1. ELECTRONIC WARFARE OFFICER
2. ELECTRONIC WARFARE OFFICER
3. ELECTRONIC WARFARE OFFICER
(NAVIGATOR, ECM)

Alternate Titles. In parentheses under the more recent title.

Military Course Number. The number assigned to the course by the military. Listed by version.

Course Number: *Version 1:* B-V7C-F. *Version 2:* 51-B-V7C-A. *Version 3:* 51-B-V7C-A; ZZ30210Z; 157105; 157104.

Location: *All versions:* Air Training Command, Mather AFB, CA. *Version 2:* Air Training Command, Keesler AFB, MS. *Version 3:* Air Training Command, Keesler AFB, MS.

Location. By version. The service school, military installation, state. In this example, applies to all versions (version number is omitted).

Length: The length of the course in weeks, with contact hours in parentheses; by version.

Length: *Version 1:* 17-25 weeks (293-593 hours). *Version 2:* 28 weeks (687-699 hours). *Version 3:* 28-40 weeks (300-1088 hours).

Exhibit Dates: The start and end dates, by month and year; by version. When course was first evaluated and when, if applicable, it was eliminated. "Present" denotes publication cut-off for this edition of the *Guide* (3/80).

Exhibit Dates: *Version 1:* 1/74-Present. *Version 2:* 7/70-12/73. *Version 3:* 7/57-6/70.

Objectives: To train officers to supervise the operation, maintenance, and repair of electronic systems.

Objectives. The purpose for which the course was designed; applies to all versions.

Instruction. Description of instruction, including teaching methods, facilities, equipment, major subject areas covered. Listed by version; in some instances will apply to all versions.

Instruction: Lectures, laboratories, and discussion sessions in basic electricity and electronics, transmission and reception, radar systems, electronic countermeasures systems, audio analysis, electronic warfare systems, and simulation training.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 2 semester hours in electricity, 2 in electronics, 2 in electrical laboratory (6/75). *Version 2:* In the lower-division baccalaureate/associate degree category, 6 semester hours in electricity or electronics, 3 in electrical laboratory (6/74); in the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (6/74). *Version 3:* In the lower-division baccalaureate/associate degree category, 3 semester hours in electricity or electronics (12/68); in the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (6/74).

Credit Recommendation. By version. Given in four categories: vocational certificate; lower-division baccalaureate/associate degree; upper-division baccalaureate; and graduate degree. Expressed in semester hours. (See Appendix for detailed explanation of credit categories.)

Evaluation Date: Date when the credit recommendation was established, month and year, in parentheses following each recommendation.

***Important:** The appropriate course version can be found by using the course title and number, its length, exhibit dates, and location.*

Questions and Answers

This section is designed to answer questions that may arise about using the Guide and awarding credit.

1

An applicant at my institution has submitted a DD Form 214 that lists abbreviated course titles which I cannot decipher. The form does not contain enough information for me to find the courses in the *Guide*. What should I do? Military records often provide insufficient information for education officials to properly identify courses. For that reason, OECC has designed the "Request for Course Recommendation" form, which can be used to supplement records. It is recommended that you automatically require students to complete the Request for Course Recommendation Form. Then, if you need help from OECC, simply authorize the form and submit it to OECC. The applicant for credit should be responsible for interpreting the information on his or her records and presenting the data in readable form. You may also use course completion certificates and other training records to verify entries on the DD Forms 214 and 295.

2

When an applicant brings information on a number of courses completed, I can usually find exhibits for only a small percentage of the courses in the *Guide*. Am I doing something wrong? The course evaluations done by the Office on Educational Credit and Credentials probably represent about 30 percent of the total number of courses offered by the armed services. The remaining 70 percent cannot be evaluated for one reason or another. In general, courses evaluated and published in the *Guide* are offered on a full-time basis (a minimum of thirty contact hours of instruction a week) for not less than two weeks' duration; or, if less than two weeks in length, the courses must include a minimum total of sixty contact hours of academic instruction. (Prior to 1973 the minimum length requirement was three weeks or 90 contact hours.) Very few correspondence courses are listed in the *Guide* because such programs were not evaluated until the mid-1970s. However, recently we have begun to evaluate selected correspondence courses. These courses will be listed in the Keyword Index under "Correspondence" for easy identification. One criterion for reviewing correspondence courses is the establishment of an ongoing proctored end-of-course examination program. Another requirement for evaluation is that a course be formal as defined by the services, i.e., offered to meet servicewide training requirements and published in the formal schools catalog for the service. This requirement generally excludes locally organized and command-level training programs, as well as courses offered on a one-time basis. You will find no courses conducted prior to 1954 listed in this guide. You must always submit a Request for Course Recommendation Form to this office for assistance with courses taken from the 1940s up until 1954. When in doubt about the availability of any evaluation for any service course, contact the OECC Information Service by telephone or by submitting a Request for Course Recommendation Form.

3

I understand many military records were destroyed in a fire at the General Services Administration several years ago. What do I do if the applicant's military records were among those destroyed? Many records were reclaimed or reconstructed and are now available. In addition, the applicant's copies of certificates may be used in lieu of records destroyed in the GSA fire.

4

May I submit a Request for Course Recommendation form that the student has filled out with information from the *Guide?* A form filled out by a student who copies information from the *Guide* cannot be used by the OECC Information Service staff for identification purposes because that information only duplicates data already published. One of the purposes of the Request for Course Recommendation form is to secure information about a course from the student, ideally through official records, but also from his or her personal knowledge or memory of the course. With this first-hand information, you may find the correct course exhibit in the *Guide*. If you cannot find it, you may send the request form to the OECC Information Service.

The OECC staff can then use this additional information to search its extensive files for matching information. When a student attempts to identify a course taken years ago by extracting *current* titles and/or course numbers from the *Guide*, he or she may in fact be identifying a *similar* course but not the one he or she may have taken. This can be misleading and it seriously handicaps the OECC research staff. Only accurate and verified information is to be submitted.

5

Who should send in the Request for Course Recommendation form? The form should be completed by the applicant and authorized by you, the institution official. Credit recommendations will be forwarded to your institution only when you authorize us to do so. While we do provide credit recommendations to applicants upon receipt of their requests, we encourage them to apply through their schools. We do not normally send a credit recommendation to a college at the request of a student applicant.

6

Why is so much information needed on the Request for Course Recommendation form? You cannot be sure that you have identified the correct exhibit in the *Guide* unless all the information on the form matches the corresponding items in the course exhibit. The course title, course number, name and location of the service school, and length of the course shown on the form should be identical to the information in the exhibit. In addition, the dates of attendance should fall within the exhibit dates. OECC credit recommendations are four *specific* courses; therefore, all items must be identical if a positive identification is to be made.

A complete and accurate form will also help the OECC Information Service research the course.

7

What do I do when the information on the Request for Course Recommendation form doesn't exactly match the information in the course exhibit? Send an authorized form to the OECC Information Service. Send the form in yourself; do not give it to the student to submit. Send *copies* of military records if you think they'll provide additional information. Even if OECC cannot identify the course and supply a credit recommendation, you may still grant credit to the applicant by conducting your own assessment of the applicant's learning. (See question 17 for information about assessment techniques.)

8

How long does it take to receive a response if I submit a properly completed request form? About three weeks for most requests, longer for those requiring extensive research. Every effort will be made to respond as quickly as possible. If you wish, you may call in requests, but if research is involved, OECC will ask you to send a written request. If you are calling in with a request, be sure to have all pertinent information (See Question 6) available to give to the OECC staff person.

9

How can I get additional information about the courses in the *Guide*? Sometimes the descriptive material in the exhibit is not detailed enough for me to make a decision about granting credit. What do I do then? With the exception of a few computer-taught or classified courses, OECC has on file the programs of instruction for all courses listed in the *Guide.* When necessary, OECC can provide the topic outline from the military syllabus, and in those instances where an entire program of instruction is needed, arrangements can be made to photocopy the entire syllabus.

10

What are USAFI and DANTES? Can I grant credit for the courses and tests listed on an applicant's USAFI or DANTES military test reports? USAFI was the United States Armed Forces Institute, which offered an extensive educational program to active-duty personnel. USAFI correspondence, seminar, and self-study courses, end-of-course tests, and Subject Standardized Tests (SSTs) were made available to service personnel worldwide until 1974, when USAFI was disestablished. Subsequently, the Defense Activity for Non-Traditional Education Support (DANTES) was established in 1974, and that agency continued the development and administration of Subject Standardized Tests and other educational services. OECC continues to recommend credit for USAFI offerings and DANTES SSTs.

In verifying completion of USAFI or DANTES courses or tests, the military test report should not be considered official. That report is given to all service personnel who have taken a course or test. To obtain official USAFI or DANTES transcripts, refer to the addresses provided in the Appendix, under "Other Recommendations."

11

What is the significance of the date which appears after each credit recommendation? That date is called the "evaluation date" and represents the month and year the credit recommendation was established. The date is provided purely for your information; do not confuse the date with exhibit dates or effective dates. Each time a course is evaluated, a date is provided so that you know when the course was last considered in terms of a credit equivalency. The date tells you how recently a recommendation was established so that you can judge the currency of the credit recommended. This information is particularly useful in subject areas where "state of the art" is important in determining the applicability of credit. You can also use the evaluation date when your institution has established a "statute of limitations" for acceptance of transfer credit.

12

An applicant completed a course in 1973, but the *Guide* exhibit dates are 5/74 to Present. Should I grant credit based on the *Guide?* The exhibit dates shown in the *Guide* indicate the time period for which OECC has information on the course. The course may have been offered for several years prior to the exhibit "start" date, but since the service branch did not submit information on the course during that time period, OECC is not able to backdate the exhibit to cover it. If you can be reasonably sure, from other information provided by the applicant (length, course content description), that his or her course was the same or similar to the course listed in the *Guide*, then you may want to grant credit based on the *Guide* recommendation. If the applicant's course was a number of weeks longer or shorter than the one covered in the *Guide* exhibit, you may be able to grant credit based on a comparison of the applicant's information with the descriptive information in the *Guide*. The Office on Educational Credit and Credentials encourages you to conduct your own assessment of courses for which no credit recommendation is available. (See question 17 for information about assessment techniques.) OECC staff can often provide you with military formal school catalog descriptions of a course outside the time period in the exhibit. This should help you determine whether you might apply the credit listed in the guide exhibit based on your own comparison.

13

I have looked up several courses for one applicant. It appears that a lot of the recommended credit is in the same subject area. How can I avoid granting too much or duplicate credit to this person? You may grant credit for any combination of learning experiences. In doing so, however, you must be alert to the possibility of overlapping credit recommendations. If the person is applying for credit for more than one learning experience, the recommendations might cover some of the same learning. In such cases, awarding a simple total of the recommended credits could result in the award of more credit than the learning merits.

Course recommendations will overlap when the individual has participated in several military courses in the same subject area and at the same level. To identify overlapping course recommendations, carefully review the instructional description for each course the applicant completed.

14

When credit is recommended in more than one category, what should I do? Credit has frequently been recommended in more than one category. One reason for multiple-category recommendations is that the scope of a given course reflects learning in several subject fields at different levels of complexity. The learning acquired in a course in one subject field may apply to courses normally included in lower-division baccalaureate/associate degree programs, while those in another subject field may apply to courses normally included in upper-division baccalaureate programs. Another reason for multiple-category recommendations is that faculty members who serve as evaluators decide that learning in a given subject field can be applied to courses and programs of study encompassed by more than one of the categories; that is, learning in electronics, for example, may apply to the vocational certificate category and to the upper-division baccalaureate category. A thorough reading of the exhibit will help you to determine which category is the best for you to apply. You will need to read the exhibit and compare course objectives and content with those of your own institution.

In the first instance—learning in several subject fields—the recommended credits may be added as long as all the subjects are applicable to the student's program of study at your institution.

Example A:
In the lower-division baccalaureate/associate degree category, 1 semester hour in communication skills and 1 in principles of management. In the upper-division baccalaureate category, 3 semester hours in personnel management (6/75).

In Example A, up to 5 semester hours may be awarded if they apply to the student's program: 1 in communication skills, 1 in principles of management, and 3 in personnel management.

In the second instance—learning in a given subject field that is applied to two or more categories—the recommended credits probably should not be added. You will have to determine how they apply to the student's program of study at your institution.

Example B:
In the vocational certificate category, 15 semester hours in electricity or electronics. In the lower-division baccalaureate/associate degree category, 10 semester hours in electricity or electronics. In the upper-division baccalaureate category, 5 semester hours in electricity or electronics.

In Example B, to determine how many credits to award, compare the information in the exhibit description with the desired outcomes of electricity or electronics or related courses and programs of study at your institution. Award credit based on comparison of these outcomes.

As a general rule, you should read the course description and then award credit as it best applies to the student's program of study, as determined through academic counseling.

Credit may be applied to a student's program in various ways: (1) applied to the major to replace a required course; (2) applied as an optional course within the major; (3) applied as a general elective; (4) applied to meet basic degree requirements; or (5) applied to waive a prerequisite. Credit granted by a postsecondary institution will depend on institutional policies and degree requirements.

15

I have a course recommendation in which credit in more than one category—but in the same subject area—is recommended. It looks like a combination of the previous examples. What do I do in that case? Credit categories could be combined, if, for example, the recommendation is:

> In the lower-division baccalaureate/associate degree category, 3 semester hours in typing and 3 in office management. In the upper-division baccalaureate category, 3 semester hours in office management and 2 for field experience in management (11/75).

The 3 semester hours in office management recommended in the lower-division baccalaureate/associate degree category and the 3 in office management recommended in the upper-division baccalaureate category should *not* be combined for a total of 6. Eight semester hours might be granted if they apply to the student's program: 3 in typing, 3 in office management, and 2 for field experience in management. The evaluators have described the course content, and using that description from the course exhibit, you must determine the appropriate application of the credit recommendation.

16

Do I have to grant credit *exactly* as it appears in the recommendation? No. You are under no obligation to grant credit, although most colleges do recognize learning that occurs in a military setting. The use of ACE recommendations is the prerogative of education officials and employers. The recommendations are provided to assist you in assessing the applicability of a person's military learning experiences to his or her educational program or occupation. *You may modify the recommendations in accordance with your institution's policies and practices.*

You should keep in mind that the recommendations are advisory and are designed as a tool for use in giving due recognition to an individual for his or her learning experiences in the armed services. You should also keep in mind that the learning of some service personnel may exceed the skills, competencies, and knowledge evaluated for a specific course. In these cases, you may wish to conduct further assessment. (See question 17 for information about assessment techniques.)

17

May I conduct my own assessment of an applicant's learning? Yes. In a sense, you are *always* conducting your own assessment, even when you use the recommendations in this book. The *Guide* is one of many tools you can use to assess what an applicant has learned and how that learning can be applied to a specific program of study at your institution. When you cannot find a recommendation in the *Guide* or obtain one from OECC Information Service, we encourage you to use other means to assess what the person has learned.

There are a wide variety of assessment techniques that you can use, e.g., written examinations, oral examinations, faculty committee assessment, evaluation of materials supplied by the applicant, personal interviews, performance tests, and standardized examinations such as CLEP. A combination of several techniques will usually result in a reliable assessment of the person's learning.

You may learn more about assessment techniques through the publications of the Council for the Advancement of Experiential Learning (CAEL), formerly the Cooperative Assessment of Experiential Learning. Two CAEL reports give particularly helpful overviews of the topic: *A Compendium of Assessment Techniques,* by Joan Knapp and Amiel T. Sharon (CAEL–11; $4.50), and *Principles of Good Practices in Assessing Experiential Learning,* by Warren W. Willingham (CAEL–27; $4.00 for a single copy, $3.00 each for ten or more). The publications may be purchased from CAEL, American City Building, Suite 212, Columbia, Maryland 21044.

You should also watch for new additions to the *ACE Guide Series,* which now comprises the *Guide* and a companion volume, *The National Guide to Educational Credit for Training Programs,* which lists recommendations for courses offered by business and industry, government agencies, professional and voluntary associations, and labor unions. The 1980 edition of *The National Guide* may be purchased from the ACE Publications Department ($22.00 a copy, prepaid). The office plans to add a guide to credit-by-examination programs to the series. Availability of the new guide will be announced in the *OECC Newsletter.*

18

I am an employer. How will the *Guide* be useful to me? Employers may find the exhibits helpful in hiring and placing veterans in jobs. The recommendations and descriptions enable you to compare a veteran's training with the qualifications and requirements for jobs. The recommendations relate learning to postsecondary courses and curricula.

19

I found the correct exhibit in my 1980 *Guide* but under Credit Recommendation it says "Pending Evaluation." My student can't wait for the 1982 *Guide* to find out what credit she might receive. What should I do in such a case? Staff members of the Office on Educational Credit and Credentials regularly schedule site evaluations. We publish the titles of courses, Army MOS's, and Navy ratings in the *Newsletter* so that you may be aware of the availability of recommendations. When a course or occupation is listed as "Pending Evaluation," you may call the office to find out if a credit recommendation is available, or you may simply send in your authorized "Request for Course Recommendation" or "Request for Army Enlisted and Warrant Officer MOS Exhibits" form. The *Guide* system is constantly growing as courses and occupations are added to the data base.

20

One of my students completed a formal military course but does not have a DD Form 295 or DD Form 214 because he was not on active-duty service. Can I grant credit for course and how can I verify that the course was actually completed? We recommend that school officials use the DD 295 or DD 214 whenever available in verifying successful completion of a service course. This suggestion is not intended to exclude those individuals who do not have access to the forms because they were 1) on reserve status, 2) in the National Guard, or 3) civilians attending military courses. In such cases, we suggest that alternative forms of certification, such as course completion certificates or other acceptable records of training, be used to verify eligibility for credit. The following summary of records sources might be used in seeking alternative records:

National Personnel Records Center (Military Personnel Records), 9700 Page Boulevard, St. Louis, MO 63132—the primary source for in-service training records for discharged or retired personnel.

USAF, Military Personnel Center, Military Personnel Records Division, Randolph AFB, TX 78148—for active AF members including National Guard on active duty in the Air Force and general officers retired with pay.

Air Reserve Personnel Center, 3800 York Street, Denver, CO 80205—for reserve personnel, retired reservists in non-pay status, and members of the National Guard released from active duty and transferred to reserve.

Commandant, U.S. Coast Guard, Washington, DC 20590—for Coast Guard active, reserve, and officers separated before 1-1-29.

Commandant of the Marine Corps, Headquarters, U.S. Marine Corps, Washington, DC 20380—for Marine Corps active members, reserve officers, and Class II enlisted reserve.

Marine Corps Reserve Forces Class III, 1500 E. Bannister Road, Kansas City, MO 64131—for Marine Corps Class III reservists (inactive).

National Archives and Records Service, National Archives Building, Washington, DC 20408—for Army officers separated before 7-1-17 and enlisted separated before 11-1-12.

Commanding Officer, U.S. Army Administration Center, TAGO, 9700 Page Boulevard, St. Louis, MO 63132—for Army Reserve, current National Guard members, records of active duty in U.S. Army, and living retired members other than general officers.

The Adjutant General, ATTN: AGPF, Department of the Army, Washington, DC 20310—for active Army officers, including National Guard on active duty in the U.S. Army, and retired general officers.

Commanding Officer, U.S. Army Enlisted Personnel Support Center, Ft. Benjamin Harrison, IN 46249—for active enlisted personnel, including National Guard, on active duty in the U.S. Army.

Chief of Naval Personnel, Department of the Navy, Washington, DC 20370—for Navy active members, reserve officers, and enlisted reserve in drill status.

National Guard Bureau, Washington, DC 20310—for current National Guard officers not on active duty in the Army or Air Force.

The Adjutant General of the Appropriate State, District of Columbia, or Puerto Rico—for current National Guard enlisted personnel not on active duty in the Army or Air Force.

21

As registrar of a four-year college, I use only the upper-division baccalaureate category in granting credit for military courses listed in your *Guide*. That is the correct approach, isn't it? Not necessarily. Depending on the recommendations, the programs of study available at the institution, and the objectives of the student, four-year colleges and universities can use any or *all* of the four categories used in the *Guide,* namely the vocational certificate category, the lower-division baccalaureate/associate degree category, the upper-division baccalaureate category, and the graduate degree category. Please read "Categories of Credit," p. A-2, of the 1980 edition of the *Guide to the Evaluation of Educational Experiences in the Armed Services.*

22

We have received from a military service school a transcript listing semester credits and carrying the statement that the school is accredited by one of the six regional accrediting associations. How do we handle this? At this time we know of no military schools that are accredited above the certificate level other than the following: Community College of the Air Force, which is accredited at the two-year community college level, Army Command and Staff College at Fort Leavenworth, Kansas, which is accredited to grant an M.A. degree, Armed Forces Institute of Technology at Wright Patterson Air Force Base, which is accredited through the doctoral level and the service academies. We recommend that you handle the certificate level credit listings in accordance with your institutional policy regarding certificate level credit.

23

I understand that basic training was recently evaluated. What happened to OECC's former statement on basic and recruit training, and where do I find the new credit recommendations? We did conduct on-site evaluations of the basic training offered for both men and women by the Army, Coast Guard, Marine Corps, and Navy. We believed that the differences in the missions of the services had not been sufficiently addressed by our earlier policies and believed that the differences in training for males and females also were not reflected. Consequently, you will find our credit recommendations in the Course Exhibits section of each volume of the *Guide;* look under "basic" or "recruit" in each Keyword Index to find the course exhibit number.

Additional questions and answers about using the Guide and the recommendations appear in the OECC Newsletter. *If you are not already receiving the newsletter, write to the Editor, OECC Newsletter, Office on Educational Credit and Credentials, American Council on Education, One Dupont Circle, Washington, DC 20036*

Transfer and Award of Credit

This statement was developed by the three national associations whose member institutions are directly involved in the transfer and award of academic credit—the American Association of Collegiate Registrars and Admissions Officers, the American Council on Education, and the Council on Postsecondary Accreditation. The need for such a statement came from an awareness of the growing complexity of transfer policies and practices, which have been brought about, in part, by the changing contours of postsecondary education. With increasing frequency, students are pursuing their education in a variety of institutional and extra-institutional settings. Social equity and the intelligent use of resources requires that validated learning be recognized wherever it takes place.

The statement is intended to serve as a guide to institutions in the development or review of policies dealing with transfer and award of credit. It is under periodic review by the three associations and reactions would, of course, be welcome. Comments may be directed to Henry Spille, Director of the Office on Educational Credit and Credentials, ACE.

J. W. Peltason, President

This statement is directed to institutions of postsecondary education and others concerned with the transfer of academic credit among institutions and award of academic credit for extra-institutional learning. Basic to this statement is the principle that each institution is responsible for determining its own policies and practices with regard to the transfer and award of credit. Institutions are encouraged to review their policies and practices periodically to assure that they accomplish the institution's objectives and that they function in a manner that is fair and equitable to students. Any statements, this one or others referred to, should be used as guides, not as substitutes, for institutional policies and practices.

Transfer of credit is a concept that now involves transfer between dissimilar institutions and curricula and recognition of extra-institutional learning, as well as transfer between institutions and curricula of similar characteristics. As their personal circumstances and educational objectives change, students seek to have their learning, wherever and however attained, recognized by institutions where they enroll for further study. It is important for reasons of social equity and educational effectiveness, as well as the wise use of resources, for all institutions to develop reasonable and definitive policies and procedures for acceptance of transfer credit. Such policies and procedures should provide maximum consideration for the individual student who has changed institutions or objectives. It is the receiving institution's responsibility to provide reasonable and definitive policies and procedures for determining a student's knowledge in required subject areas. All institutions have a responsibility to furnish transcripts and other documents necessary for a receiving institution to judge the quality and quantity of the work. Institutions also have a responsibility to advise the students that the work **reflected** on the transcript **may or may not** be accepted by a receiving institution.

INTERINSTITUTIONAL TRANSFER OF CREDIT

Transfer of credit from one institution to another involves at least three considerations:

(1) the educational quality of the institution from which the student transfers;

(2) the comparability of the nature, content, and level of credit earned to that offered by the receiving institution; and

(3) the appropriateness and applicability of the credit earned to the programs offered by the receiving institution, in light of the student's educational goals.

Accredited Institutions

Accreditation speaks primarily to the first of these considerations, serving as the basic indicator that an institution meets certain minimum standards. Users of accreditation are urged to give careful attention to the accreditation conferred by accrediting bodies recognized by the Council on Postsecondary Accreditation (COPA). COPA has a formal process of recognition which requires that any accrediting body so recognized must meet the same standards. Under these standards, COPA has recognized a number of accrediting bodies, including:

(1) regional accrediting commissions (which historically accredited the more traditional colleges and universities but which now accredit proprietary, vocational-technical, and single-purpose institutions as well);

(2) national accrediting bodies that accredit various kinds of specialized institutions; and

(3) certain professional organizations that accredit free-standing professional schools, in addition to programs within multi-purpose institutions. (COPA annually publishes a list of recognized accrediting bodies, as well as a directory of institutions accredited by these organizations.)

Although accrediting agencies vary in the ways they are organized and in their statements of scope and mission, all accrediting bodies that meet COPA's standards for recognition function to assure that the institutions or programs they accredit have met generally accepted minimum standards for accreditation.

Accreditation affords reason for confidence in an institution's or a program's purposes, in the appropriateness of its resources and plans for carrying out these purposes, and in its effectiveness in accomplishing its goals, insofar as these things can be judged. Accreditation speaks to the probability, but does not guarantee, that students have met acceptable standards of educational accomplishment.

Comparability and Applicability

Comparability of the nature, content, and level of transfer credit and the appropriateness and applicability of the credit earned to programs offered by the receiving institution are as important in the evaluation process as the accreditation status of the institution at which the transfer credit was awarded. Since accreditation does not address these questions, this information must be obtained from catalogues and other materials and from direct contact between knowlegeable and experienced faculty and staff at both the receiving and sending institutions. When such considerations as comparability and appropriateness of credit are satisfied, however, the receiving institution should have reasonable confidence that students from accredited institutions are qualified to undertake the receiving institution's educational program.

Admissions and Degree Purposes

At some institutions there may be differences between the acceptance of credit for admission purposes and the applicability of credit for degree purposes. A receiving institution may accept previous work, place a credit value on it, and enter it on the transcript. However, that previous work, because of its nature and not its inherent quality, may be determined to have no applicability to a specific degree to be pursued by the student.

Institutions have a responsibility to make this distinction, and its implications, clear to students before they decide to enroll. This should be a matter of full disclosure, with the best interests of the student in mind. Institutions also should make every reasonable effort to reduce the gap between credits accepted and credits applied toward an educational credential.

Unaccredited Institutions

Institutions of postsecondary education that are not accredited by COPA-recognized accrediting bodies may lack that status for reasons unrelated to questions of quality. Such institutions, however, cannot provide a reliable, third-party assurance that they meet or exceed minimum standards. That being the case, students transferring from such institutions may encounter special problems in gaining acceptance and transferring credits to accredited institutions. Institutions admitting students from unaccredited institutions should take special steps to validate credits previously earned.

Foreign Institutions

In most cases, foreign institutions are chartered and authorized by their national governments, usually through a ministry of education. Although this provides for a standardization within a country, it does not produce useful information about comparability from one country to another. No other nation has a system comparable to voluntary accreditation. The Division of Higher Education of the United Nations Educational, Scientific, and Cultural Organization (UNESCO) is engaged in a project to develop international compacts for the acceptance of educational credentials. At the operational level, four organizations—the Council on International Educational Exchange (CIEE), the National Council on the Evaluation of Foreign Student Credentials (CEC), the National Association for Foreign Student Admissions (NAFA), and the National Liaison Committee on Foreign Student Admissions (NLC)—often can assist institutions by distributing general guidelines on admission and placement of foreign students. Equivalency or placement recommendations are to be evaluated in terms of the programs and policies of the individual receiving institution.

VALIDATION OF EXTRA-INSTITUTIONAL AND EXPERIENTIAL LEARNING FOR TRANSFER PURPOSES

Transfer-of-credit policies should encompass educational accomplishment attained in extra-institutional settings as well as at accredited postsecondary institutions. In deciding on the award of credit for extra-institutional learning, institutions will find the services of the American Council on Education's Office of Educational Credit helpful. One of the Office's functions is to operate and foster programs to determine credit equivalencies for various modes of extra-institutional learning. The Office maintains evaluation programs for formally structured courses offered by the military, and civilian noncollegiate sponsors such as business, corporations, government agencies, and labor unions. Evaluation services are also available for examination programs, for occupations with validated job proficiency evaluation systems, and for correspondence courses offered by schools accredited by the National Home Study Council. The results are published in a Guide series. Another resource is the General Education Development (GED) Testing Program, which provides a means for assessing high school equivalency.

For learning that has not been validated through the ACE formal credit recommendations process or through credit-by-examination programs, institutions are urged to explore the Council for Advancement of Experiential Learning (CAEL) procedures and processes. Pertinent CAEL publications designed for this purpose are also listed.

USES OF THIS STATEMENT

This statement has been endorsed by the three national associations most concerned with practices in the area of transfer and award of credit—the American Association of Collegiate Registrars and Admissions Officers, the American Council on Education/Commission on Educational Credit, and the Council on Postsecondary Accreditation.

Institutions are encouraged to use this statement as a basis for discussions in developing or reviewing institutional policies with regard to transfer. If the statement reflects an institution's policies, that institution might want to use this publication to inform faculty, staff, and students.

It is recommended that accrediting bodies reflect the essential precepts of this statement in their criteria.

Approved by the COPA Board
October 10, 1978

Approved by the American Council on Education/
Commission on Educational Credit
December 5, 1978

Approved by the Executive Committee, American Association of Collegiate Registrars and Admissions Officers
November 21, 1978

Course Exhibits

AF

NOTE: In 1978 the Community College of the Air Force (CCAF) was granted candidacy status as a degree-granting institution by the Southern Association's Commission on Colleges. With this accreditation status it is recommended that institutions treat the CCAF transcript in the same manner as transcripts from institutions with similar recognition. Institutions may obtain copies of official military transcripts by writing directly to the Registrar, Community College of the Air Force, Maxwell AFB, Alabama 36112.

AF-0101-0001

DISEASE VECTOR AND PEST CONTROL TECHNOLOGY

Course Number: 3AZR56650.

Location: Sheppard Technical Training Center, Sheppard AFB, TX.

Length: 5 weeks (132 hours).

Exhibit Dates: 10/71–12/73.

Objectives: To train enlisted personnel in the basic principles of pest control.

Instruction: Lectures and practical experience in the basic principles of pest control, including the classification and characteristics of insects; mosquito abatement procedures; field ecology; control of flies, fleas, lice, ticks, and mites; formulation, evaluation, and proper use of pesticides; operation and maintenance of insecticide dispersal equipment; and epidemiology of vector-borne diseases.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in entomology (1/74).

AF-0101-0002

ENGINEERING ENTOMOLOGY SPECIALIST

Course Number: ABR56630.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 6 weeks (180 hours).

Exhibit Dates: 8/65–12/73.

Objectives: To train enlisted personnel in the basic principles of animal and vegetable pest control.

Instruction: Lectures and practical experience in the basic principles of animal and vegetable pest control, including ecology and epidemiology of vector-borne diseases; pesticide classification, safety, dispersal, and disposal; fumigation techniques; sanitation; mosquito control; and control of venomous animals, rodents, and other vertebrates.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in community sanitation or agricultural pest control (2/74).

AF-0101-0003

ENGINEERING ENTOMOLOGY SPECIALIST/TECHNICIAN
(Entomology Specialist)

Course Number: 3ABR56630.

Location: Sheppard Technical Training Center, Sheppard AFB, TX.

Length: 6 weeks (240 hours).

Exhibit Dates: 4/73–12/73.

Objectives: To train enlisted personnel in the basic principles of animal and vegetable pest control.

Instruction: Lectures and practical experience in the basic principles of animal and vegetable pest control, including ecology and epidemiology of vector-borne diseases; pesticide classification, safety, dispersal, and disposal; fumigation techniques; sanitation; mosquito control, and control of venomous animals, rodents, and other vertebrates.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in community sanitation or agricultural pest control (1/74).

AF-0101-0004

PEST CONTROL (SEA)

Course Number: 2ASR56650-2.

Location: Sheppard Technical Training Center, Sheppard AFB, TX.

Length: 2 weeks (80 hours).

Exhibit Dates: 4/73–12/73.

Objectives: To train enlisted personnel to identify and control pest problems.

Instruction: Lectures and practical experience in the basic principles of pest control, including epidemiology of vector-borne diseases; use and evaluation of various pest control methods; operation of pest control equipment; and safety procedures for mixing, handling, and storing insecticides.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in entomology (1/74).

AF-0102-0001

ANIMAL SPECIALIST

Course Number: 5ALY90831.

Location: School of Aerospace Medicine, Brooks AFB, TX.

Length: 8 weeks (259–276 hours).

Exhibit Dates: 5/72–11/77.

Objectives: To provide enlisted personnel with the skills required in zoonosis control clinics, working dog programs, and veterinary support of biomedical research.

Instruction: Lectures and laboratory in all facets of animal care, including anatomy and physiology, clinical laboratory procedures, necropsy, animal diseases, pharmacology, sanitation, zoonosis control clinic management, and military dog care.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in laboratory animal management (2/74); in the upper-division baccalaureate category, 3 semester hours in laboratory animal management (2/74).

AF-0102-0002

ANIMAL TECHNICIAN
(Laboratory Animal Technician)

Course Number: *Version 1:* 5AZY90850. *Version 2:* AAY90871.

Location: School of Aerospace Medicine, Brooks AFB, TX.

Length: *Version 1:* 6 weeks (204 hours). *Version 2:* 8 weeks (308 hours).

Exhibit Dates: *Version 1:* 9/77–Present. *Version 2:* 1/67–8/77.

Objectives: To provide the skills necessary to manage, handle, and care for laboratory animals.

Instruction: Lectures and laboratories in animal care and handling, including anatomy and physiology, pharmacology, clinical laboratory procedures, necropsy, animal nutrition, surgery and aseptic techniques, and laboratory animal diseases.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 4 semester hours in laboratory animal management, 3 in basic animal medical sciences (2/78). *Version 2:* In the lower-division baccalaureate/associate degree category, 4 semester hours in laboratory animal management (1/74); in the upper-division baccalaureate category, 4 semester hours in laboratory animal management (1/74).

AF-0102-0003

1. VETERINARY SPECIALIST
   (Veterinary Specialist Phase II)
2. VETERINARY SPECIALIST
3. VETERINARY SPECIALIST
4. VETERINARY SPECIALIST
   (Apprentice Veterinary Specialist)
5. APPRENTICE VETERINARY SPECIALIST

Course Number: *Version 1:* 5ABY90830. *Version 2:* 3ABR90830. *Version 3:* 3ABR90830. *Version 4:* ABR90830; AB90830. *Version 5:* AB90830.

Location: *Version 1:* School of Aerospace Medicine, Brooks AFB, TX. *Version 2:* Sheppard Technical Training Center, Sheppard AFB, TX. *Version 3:* Sheppard Technical Training Center, Sheppard AFB, TX. *Version 4:* Medical Service School, Gunter AFB, AL. *Version 5:* Medical Service School, Gunter AFB, AL.

Length: *Version 1:* 3–4 weeks (113 hours). *Version 2:* 16 weeks (518 hours). *Version 3:* 13 weeks (390 hours). *Version 4:* 10–11 weeks (402–429 hours). *Version 5:* 13 weeks (507 hours).

Exhibit Dates: *Version 1:* 8/77–Present. *Version 2:* 10/70–2/77. *Version 3:* 1/69–9/70. *Version 4:* 10/57–12/68. *Version 5:* 5/54–9/57.

Objectives: To train airmen in food inspection procedures, sanitary surveillance of food processing and storage facilities, and veterinary support of combat operations.

Instruction: *All Versions:* Lectures and practical exercises in the fundamentals of medical service, veterinary administration, microbiology, technical inspection procedures, veterinary field training, animal service, and zoonosis control activities. *Version 1:* Phase I training (8 weeks) is at Ft. Sam Houston, TX at the Academy of Health Sciences. See exhibit AR-0104-0002.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 2 semester hours in administration and management, 2 in food sanitation, 2 in laboratory animal management (2/78). *Version 2:* In the lower-division baccalaureate/associate degree category, 3 semester hours in food science and meat and dairy hygiene (2/74); in the upper-division baccalaureate category, 3 semester hours in food science and meat and dairy hygiene (2/74). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in meat and dairy hygiene (1/69). *Version 4:* In the upper-division baccalaureate category, 3 semester hours in meat and dairy hygiene (12/68). *Version 5:* In the upper-division baccalaureate category, 3 semester hours in meat and dairy hygiene (5/63).

AF-0102-0004

VETERINARIAN
(Veterinary Officer Basic)

Course Number: 5OBY9921; 3OBR9921-1; OBR9921.

Location: School of Aerospace Medicine, Brooks AFB, TX; Medical Service School, Sheppard AFB, TX; Medical Service School, Gunter AFB, AL.

Length: 5 weeks (185–195 hours).

Exhibit Dates: 3/65–Present.

Objectives: To provide officers with a basic knowledge of veterinary science with emphasis on zoonotic disease control and food sanitation.

Instruction: Lectures and practical experience in the basic principles of veterinary science, including food inspection, epidemiology and control of zoonotic diseases, veterinary aspects of disaster medicine, administrative procedures, and sanitary surveillance of food processing, storing, and serving facilities.

Credit Recommendation: Credit is not recommended because of the professional nature of the training (2/78).

AF-0104-0001

VETERINARY TECHNICIAN

Course Number: *Version 1:* 3AAR90870-1; AAR90870-1. *Version 2:* AAR90870; AA90870. *Version 3:* AA90870.

Location: *Version 1:* Medical Service School, Sheppard AFB, TX. *Version 2:* Medical Service School, Gunter AFB, AL; School of Aviation Medicine, Gunter AFB, AL. *Version 3:* School of Aviation Medicine, Gunter AFB, AL.

Length: *Version 1:* 10 weeks (300 hours). *Version 2:* 12–14 weeks (434–499 hours). *Version 3:* 15 weeks (585 hours).

Exhibit Dates: *Version 1:* 11/68–12/73. *Version 2:* 7/65–10/68. *Version 3:* 10/56–6/65.

Objectives: To present a comprehensive program in food microbiology, animal service, and zoonotic disease control to qualified enlisted personnel.

Instruction: Practical experience in the inspection of meat and meat products; supervision of sanitary handling; inspection of fruits; sanitary surveillance of food processing establishments; basic principles of food microbiology; statistical inspection procedures; and food preservation and storage.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in meat and dairy hygiene (12/68). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in meat and dairy hygiene (12/68). *Version 3:* In the upper-division baccalaureate category, 6 semester hours in meat and dairy hygiene (12/68).

AF-0202-0001

GRAPHICS PREPARATION AND ILLUSTRATION TECHNIQUES

Course Number: 3AZR22351.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 6 weeks (180 hours).

Exhibit Dates: 10/68–12/73.

Objectives: To provide trainees with skills in illustration fundamentals, layout and media techniques, and reproduction methods and processes.

Instruction: Illustration fundamentals, including care and use of equipment and materials, lettering, figure drawing, cartooning, layout, still life drawing; illustration layout and media techniques, including sketched layouts, line and tone media, color media, visual communication techniques; reproduction methods and processes, including printing and reproduction processes, projection transparencies and slides, silkscreen, shop operation, and production controls.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in graphic material preparation (12/73).

AF-0306-0001

MAINTENANCE ANALYSIS TECHNICIAN

Course Number: *Version 1:* 3AAR39170. *Version 2:* 3AAR39170; 3AAR43470. *Version 3:* AAR43470.

Location: *Version 1:* School of Applied Aerospace Sciences, Chanute AFB, IL. *Version 2:* School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL. *Version 3:* 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 6 weeks (240 hours). *Version 2:* 6–7 weeks (180–210 hours). *Version 3:* 7–8 weeks (198–228 hours).

Exhibit Dates: *Version 1:* 8/73–12/73. *Version 2:* 4/68–7/73. *Version 3:* 1/64–3/68.

Objectives: To train enlisted personnel to be maintenance analysis technicians.

Instruction: *All Versions:* Lectures and laboratory in advanced analytical methods used in data collection assembly and analysis techniques, including communications security, maintenance management, supervision, data presentation, use of TV cameras and video tape recorders, and maintenance and man-hour data analysis. *Version 2:* Instruction includes business statistics and probability.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in business report writing (6/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in business statistics (6/74). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in statistical report writing (6/74).

AF-0326-0001

INDUSTRIAL PROPERTY ADMINISTRATION (JT)

Course Number: 160.

Location: School of Systems and Logistics, Wright-Patterson AFB, OH.

Length: 3 weeks (75–114 hours).

Exhibit Dates: 12/69–6/74.

Objectives: To provide industrial property administrators with advanced training in industrial property administration.

Instruction: Lectures and practical exercises in industrial property administration. Course includes property law and procurement regulations, property administrator's responsiblities and duties, contract administration and inventory management, controls audit, statistical sampling, and selected property administration problems.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in industrial management (6/74); in the upper-division baccalaureate category, 2 semester hours in industrial management (6/74).

AF-0326-0003

CONTRACT ADMINISTRATION

Course Number: 175.

Location: School of Systems and Logistics, Wright-Patterson AFB, OH.

Length: 3–4 weeks (90–120 hours).

Exhibit Dates: 12/69–6/74.

Objectives: To provide selected personnel with knowledge and skills essential to performance as contracting officers or contracting administrators.

Instruction: Lectures and practical exercises to include organization for contract administration; types of contracts; cost analysis, pricing, and profit; contract modification; production and progress evaluation; funding and financing; quality assurance; inspection and acceptance; warranties; negotiation of changes, disputes, and claims; and termination.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in contract administration (8/74); in the upper-division baccalaureate category, 2 semester hours in contract administration (8/74).

AF-0331-0001

1. REAL ESTATE—COST-MANAGEMENT ANALYSIS SPECIALIST
2. REAL ESTATE—COST-MANAGEMENT ANALYSIS SPECIALIST
   (Real Estate and Cost Management Analysis Specialist)

Course Number: 3ALR55430.

Location: *Version 1:* School of Applied Aerospace Sciences, Sheppard AFB, TX. *Version 2:* 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 3 weeks (118 hours). *Version 2:* 3 weeks (90 hours).

Exhibit Dates: *Version 1:* 3/73–12/73. *Version 2:* 8/68–2/73.

Objectives: To train enlisted personnel to be real-estate and cost-management analysis specialists.

Instruction: Lectures in cost accounting and management analysis procedures as applied to real-property management, including publications, automatic data processing, establishment and maintenance of automated cost and real-property files, labor accounting, work control, real-property accounting, and cost procedures.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the upper-division baccalaureate category, 3 semester hours in real estate and cost accounting (12/68).

AF-0332-0001

SUPPLY SERVICES SUPERVISOR

Course Number: *Version 1:* 3AAR61170-1. *Version 2:* AAR61170.

Location: *Version 1:* 3415th Technical School, Lowry AFB, CO. *Version 2:* 3320th Technical School, Amarillo AFB, TX.

Length: *Version 1:* 5-6 weeks (150-180 hours). *Version 2:* 6 weeks (180 hours).

Exhibit Dates: *Version 1:* 2/68-12/73. *Version 2:* 1/66-1/68.

Objectives: To train enlisted personnel as supply services supervisors.

Instruction: *All Versions:* Lectures and practical exercises in supply services supervision, including personnel relations and management practices, OJT training, clothing sales store management, stock control and pricing, requisitioning, receiving and shipping, merchandising, inventory, accounting and reporting, commissary management, laundry and dry-cleaning management, and organization and equipment required for various supply services. *Version 2:* Includes redistribution and marketing management.

Credit Recommendation: *Version 1:* See explanatory note at the beginning of the Air Force section. *Version 2:* In the upper-division baccalaureate category, 2 semester hours in supply services management (12/68).

AF-0406-0001

COMMISSARY OPERATIONS
(Commissary NCO)
(Commissary Officer)
(Commissary NCOIC)

Course Number: AZR61170; AZR64270-1; AZR64270; OTS6444-1.

Location: 3320th Technical School, Amarillo AFB, TX.

Length: 3-4 weeks (90-120 hours).

Exhibit Dates: 2/60-12/68.

Objectives: To train officers and noncommissioned officers in commissary operations.

Instruction: Lectures and practical exercises in commissary operations, including property accounting and supply discipline, subsistence supply procedures, pricing, inventory procedures, sales, accounting and reporting, sales forecasting, and subsistence and sales report analysis.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in store management (12/68).

AF-0419-0001

AIRCRAFT LOADMASTER

Course Number: 3ABR60730; ALR60133; AL60133; SS60153-1; ABR60730; ALR60730.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 4-9 weeks (120-240 hours).

Exhibit Dates: 5/57-12/68.

Objectives: To teach selected airmen the duties and responsibilities of aircraft loadmaster.

Instruction: General training in the organization and use of air transportation activities, including weight and balance computation, and loading, packing, and tiedown of cargo on aircraft; handling of dangerous cargo; airdrop procedures; aerial transportation of guided missiles.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-0419-0002

1. AIR PASSENGER SPECIALIST
2. AIR PASSENGER SPECIALIST
3. AIR PASSENGER AND OPERATIONS SPECIALIST

Course Number: *Version 1:* 3ABR60530; ABR60530; ABR60130. *Version 2:* AB60130. *Version 3:* AB60130.

Location: *Version 1:* Technical Training Center, Sheppard AFB, TX. *Version 2:* Technical Training Center, Sheppard AFB, TX. *Version 3:* Technical Training Command, Keesler AFB, MS.

Length: *Version 1:* 5-7 weeks (120-150 hours). *Version 2:* 6 weeks (90 hours). *Version 3:* 8 weeks (240 hours).

Exhibit Dates: *Version 1:* 2/58-12/73. *Version 2:* 6/57-1/58. *Version 3:* 11/54-5/57.

Objectives: To provide enlisted personnel with the skills and knowledge necessary to perform as apprentice air passenger specialists.

Instruction: Lectures and practical experience in the basic principles of air transportation, including effective communication, human relations, customer service, air terminal organization, air traffic records and reports, airlift and airspace requirements, aircraft weight and balance, and customs regulations.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in transportation (12/68). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in transportation (12/68). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in transportation (12/68).

AF-0419-0003

ADVANCED AIR TRANSPORTATION PASSENGER

Course Number: 60AAT-P.

Location: 443d Military Airlift Wing, Altus AFB, OK.

Length: 2 weeks (70 hours).

Exhibit Dates: 12/72-12/73.

Objectives: To provide students with technical training in air passenger service.

Instruction: Lectures and practical exercises in air passenger terminal operations and procedures; passenger reservation procedures; traffic control; baggage procedures; documentation; and anti-hijacking procedures.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-0419-0005

SURFACE TRANSPORTATION OFFICER

Course Number: *Version 1:* OZR6041-2. *Version 2:* OBR6031; OB6031.

Location: Sheppard Technical Training Center, Sheppard AFB, TX.

Length: *Version 1:* 3 weeks (90 hours). *Version 2:* 10 weeks (300 hours).

Exhibit Dates: *Version 1:* 1/63-12/68. *Version 2:* 6/55-12/62.

Objectives: To train officers for managerial positions in the surface transportation field.

Instruction: Lectures and practical exercises in principles of surface transportation management, including passenger and freight terminal operations, airlift operations and management, aircraft load planning, weight and balance problems, and aerial delivery procedures.

Credit Recommendation: *Version 1:* See explanatory note at the beginning of the Air Force section. *Version 2:* In the upper-division baccalaureate category, 3 semester hours in transportation (11/62).

AF-0419-0006

FREIGHT TRAFFIC SPECIALIST

Course Number: 3ABR60231.

Location: School of Applied Aerospace Sciences, Sheppard AFB, TX.

Length: 6-7 weeks (180-204 hours).

Exhibit Dates: 12/69-12/73.

Objectives: To teach airmen the procedures for classifying, documenting, and shipping government-sponsored cargo by military and commercial motor vehicles and by rail, express, parcel post, and water carriers.

Instruction: Lectures and practical exercises in introduction to transportation; shipment planning; shipping and receiving procedures; and freight terminal operations.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-0419-0007

1. AIR CARGO SPECIALIST
2. AIR FREIGHT SPECIALIST

Course Number: *Version 2:* 3ABR60531; 3ABR60531; ABR60531; ABR60531; AB60132.

Location: *Version 1:* 3750th Technical School, Sheppard AFB, TX. *Version 2:* Sheppard Technical Training school, Sheppard AFB, TX.

Length: 7-9 weeks (180-210 hours).

Exhibit Dates: *Version 1:* 7/69-12/73. *Version 2:* 7/55-6/69.

Objectives: To provide enlisted personnel with basic knowledge and technical skill in air cargo transportation and handling.

Instruction: Lectures and practical demonstrations in basic air cargo transportation and handling, including air transportation activities fundamentals; military air command airlift systems; materials-handling vehicle operation; aircraft loading techniques; weight and balance computation; dangerous cargo processing and handling; and processing, documentation, and warehousing of general cargo and mail.

Credit Recommendation: *Version 1:* In the vocational certificate category, 4 semester hours in air cargo handling (7/74) *Version 2:* In the upper-division baccalaureate category, 2 semester hours in transportation (12/68).

AF-0419-0008

PASSENGER AND HOUSEHOLD GOODS SPECIALIST

Course Number: 3ABR60230.

Location: School of Applied Aerospace Sciences, Sheppard AFB, TX.

Length: 6 weeks (180 hours).

Exhibit Dates: 11/69-12/73.

Objectives: To provide enlisted personnel with training in passenger and household goods transportation.

Instruction: Lectures and practical exercises in passenger and household goods transportation procedures, including planning and procuring commercial transportation for personnel and their dependents, shipment and storage of personal property, basic administrative procedures, and driver training.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-0419-0009

FREIGHT TRAFFIC SPECIALIST

Course Number: AB60231.

Location: Technical Training Wing, Sheppard AFB, TX.
Length: 9 weeks (180–240 hours).
Exhibit Dates: 9/56–12/68.
Objectives: To provide enlisted personnel with basic training in freight operations management and commercial transportation.
Instruction: Lectures and practical demonstrations in the basic principles of transportation and freight traffic management, including classification of freight; tariffs; bill-of-lading procedures; various modes of transportation; duties of traffic managers; and special transportation problems, such as carrier liability, transit privileges, reconsignment, diversion, demurrage, and routing.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in traffic operation or transportation management (12/68).

AF-0419-0010

TRANSPORTATION OFFICER
(Air Transportation Officer)

Course Number: 3OBR6041; OBR6041; OBR6021; OB6021.
Location: Sheppard Technical Training Center, Sheppard AFB, TX.
Length: 10–16 weeks (270–480 hours).
Exhibit Dates: 8/55–12/73.
Objectives: To train officers in the duties and responsibilities of a transportation officer.
Instruction: Lectures and practical experience in the management of all facets of air and surface transportation, including operation of a commercial transportation office; airlift terminal organization and operation; movement and storage of household goods; personnel transportation; transportation budget; movement of materials by air, water, rail, and pipeline.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in transportation management (12/68).

AF-0419-0011

AIR TRANSPORTATION OFFICER

Course Number: OZR6041-1.
Location: Air Training Command, Sheppard AFB, TX.
Length: 3 weeks (90 hours).
Exhibit Dates: 2/63–12/68.
Objectives: To train air transportation officers to execute the duties required of surface transportation officers.
Instruction: Lectures and practical experience in the principles of traffic management, passenger documentation, movement and storage of household goods, freight classification and documentation, receiving and certifying delivery, packing and crating, budget preparation, and vehicle administration.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-0419-0012

1. TRANSPORTATION STAFF OFFICER
2. TRANSPORTATION STAFF OFFICER
(Transportation Officer)

Course Number: *Version 1:* 3OAR6011. *Version 2:* OAR6011.
Location: Air Training Command, Sheppard AFB, TX.
Length: *Version 1:* 10–12 weeks (330–390 hours). *Version 2:* 12–24 weeks (360–720 hours).
Exhibit Dates: *Version 1:* 6/68–12/73. *Version 2:* 1/56–5/68.
Objectives: To train transportation officers in all aspects of advanced transportation management.
Instruction: Lectures and supervised student projects in procedures and techniques of advanced traffic management; military traffic management; air transportation management; vehicle operation and maintenance; transportation fund management; development of transportation systems, plans, and programs; data automation and systems analysis; commercial transportation services; packing, packaging, and marking materials; military and commercial air, motor, rail, water, and pipeline movement.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 8 semester hours in transportation management (1/74). *Version 2:* In the upper-division baccalaureate category, 6 semester hours in transportation management (12/68).

AF-0419-0013

TRANSPORTATION OF DANGEROUS MATERIALS (RESERVE)

Course Number: 3ARR60000.
Location: School of Applied Aerospace Sciences, Sheppard AFB, TX.
Length: 2 weeks (60 hours).
Exhibit Dates: 6/73–12/73.
Objectives: To train airmen to perform duties of air cargo specialists with supplemental training in the handling of dangerous cargo.
Instruction: Lectures and practical exercises in military standard transportation and movement procedures; airdrop; tiedown; and processing and documentation of special and dangerous cargo.
Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-0419-0014

ADVANCED AIR TRANSPORTATION CARGO

Course Number: None.
Location: 443d Military Airlift Wing, Altus AFB, OK.
Length: 2 weeks (80 hours).
Exhibit Dates: 2/73–12/73.
Objectives: To provide officers with advanced training in air cargo transportation.
Instruction: Lectures in air cargo transportation procedures, including aerial port squadron, air freight and traffic control sections, and military air command organization and administration; cargo control documentation procedures; aircraft loading procedures; weight and balance; and dangerous cargo, special cargo, and mail-handling procedures.
Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-0419-0015

ADVANCED AIRCRAFT LOADMASTER (C-5)

Course Number: A60770A-4.
Location: 443d Military Airlift Wing, Altus AFB, OK.
Length: 4 weeks (150 hours).
Exhibit Dates: 7/72–12/73.
Objectives: To train enlisted personnel having some experience in air transportation to perform as aircraft loadmasters.
Instruction: Lectures and practical exercises in air transportation, including airplane systems operation, preflight and loading procedures, airlift systems, emergency equipment operation, weight and balance calculations, nuclear training, and passenger handling and comfort.
Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-0419-0016

ADVANCED AIRCRAFT LOADMASTER (C-141)

Course Number: A60770-2.
Location: 443d Military Airlift Wing, Altus AFB, OK.
Length: 8 weeks (225 hours).
Exhibit Dates: 2/73–12/73.
Objectives: To train enlisted personnel having some experience in air transportation to perform as aircraft loadmasters.
Instruction: Lectures and practical exercises in air transportation, including aircraft systems operation; weight and balance load planning; dangerous cargo, special cargo, and mail transportation; emergency signals, procedures, equipment, and cargo jettison; egress training, and passenger and troop handling.
Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-0419-0017

AIR TRANSPORTATION OF DANGEROUS CARGO AND NUCLEAR WEAPONS
(Transportation of Dangerous Cargo, Nuclear Weapons and Missiles)
(Missile and Nuclear Weapons Transportation Safety)

Course Number: 3OZR6000; OZR6000.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 3 weeks (90 hours).
Exhibit Dates: 3/64–12/73.
Objectives: To provide officers and enlisted personnel with supplemental training in the air transportation of dangerous cargo, nuclear weapons, and missiles.
Instruction: Lectures in the transportation of dangerous materials, including preservation, packaging, and aircraft-loading techniques; quantity-distance limitations; emergency procedures; and inspection, use, and maintenance of hoisting equipment.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-0419-0018

TRANSPORTATION OF DANGEROUS CARGO

Course Number: 3OZR6000-2.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 2 weeks (60 hours).
Exhibit Dates: 6/72–12/73.
Objectives: To train military and civilian personnel in the transportation of dangerous cargo.
Instruction: Lectures on procedures for handling, inspecting, and transporting dangerous cargo by air, land, and sea.
Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-0419-0019

MOTOR VEHICLE MAINTENANCE MANAGEMENT

Course Number: 3AZR47000.
Location: School of Applied Aerospace Sciences, Chanute AFB, IL.
Length: 4 weeks (148 hours).
Exhibit Dates: 7/73–12/73.
Objectives: To train enlisted personnel to supervise and manage motor vehicle maintenance activities.

Instruction: Lectures and practical exercises in motor vehicle maintenance management. Course includes administration and supervision techniques, maintenance scheduling, quality and material control, vehicle safety, and parts supply management.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in transportation management (7/74).

AF-0419-0020

Motor Transportation Supervisor

Course Number: AA60370.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 6 weeks (180 hours).

Exhibit Dates: 7/55-12/68.

Objectives: To train vehicle operators and dispatchers to manage motor transportation activities.

Instruction: Lectures and practical exercises in the management of motor transportation activities, including motor pool organization, management, site location, and operation; and supervision of vehicle operations, vehicle dispatching, maintenance and utilization; and accident prevention.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-0419-0022

Air Passenger Specialist (Reserve)

Course Number: 3ARR60550.

Location: School of Applied Aerospace Sciences, Sheppard AFB, TX.

Length: 2 weeks (72 hours).

Exhibit Dates: 8/73-12/73.

Objectives: To train airmen as air passenger specialists.

Instruction: Lectures and practical exercises in duties of air passenger specialists, including scheduling and processing passengers for flight, organization of air terminals, flight schedules, industrial funding and reimbursable traffic procedures, passenger eligibility, acceptance, processing, manifesting, and passenger baggage-handling equipment operation.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in transportation and air passenger traffic management (7/74).

AF-0419-0024

Air Cargo Specialist (Reserve)

Course Number: 3ARR60551.

Location: School of Applied Aerospace Sciences, Sheppard AFB, TX.

Length: 2 weeks (72 hours).

Exhibit Dates: 2/73-12/73.

Objectives: To train airmen as air cargo specialists.

Instruction: Lectures and practical exercises in the duties of air cargo specialists, including transportation and movement procedures; processing and documentation of general, special, and dangerous cargo and mail; materials handling equipment operation; aircraft load planning; and aircraft loading and unloading.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-0419-0025

Passenger and Household Goods Specialist
(Passenger Traffic Specialist)

Course Number: AB60230.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 4-9 weeks (120-180 hours).

Exhibit Dates: 9/56-12/68.

Objectives: To train airmen in passenger traffic management and the movement of household goods and baggage.

Instruction: Lectures and practical exercises in passenger traffic management and the movement of household goods and baggage, including transportation agencies, regulations of carriers, travel orders, modes and classes available for passenger transportation, passenger routing, preparation of transportation requests, transportation costs, and movement, storage, and documentation of household goods.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in transportation (12/68).

AF-0504-0001

Technical Writer

Course Number: 3AZR75200-2.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 3 weeks (120 hours).

Exhibit Dates: 4/71-12/73.

Objectives: To train enlisted personnel as technical writers.

Instruction: Lectures and practical exercises in technical writing, including grammar; effective sentence, paragraph, and chapter development; procedures related to Career Development Course production; and practical exercises in Career Development Course research, planning, and writing (including the writing, reviewing, and editing of a simulated or actual Career Development Course publication).

Credit Recommendation: In the upper-division baccalaureate category, credit in technical writing on the basis of institutional evaluation (12/68).

AF-0505-0001

Television Production Specialist

Course Number: ATS 72151-1.

Location: 3415th Technical School, Lowry AFB, TX.

Length: 7 weeks (210 hours).

Exhibit Dates: 5/61-12/68.

Objectives: To train personnel for assignment in television services.

Instruction: Topics include the television system, video and audio switching, staging and principles of lighting, directing concepts, recording processes, practical television production, and the television script.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in television production (11/77).

AF-0602-0001

Foreign Service Institute Language Programs
(French)
(German)
(Igbo)
(Italian)
(Lingala)
(Portuguese)
(Rundi)
(Spanish)
(Twi)
(Vietnamese)
(Yoruba)

Course Number: None.

Location: School of Language Studies, Arlington, VA.

Length: 16 weeks.

Exhibit Dates: 1/59-Present.

Objectives: The primary objective of the Foreign Service Institute language programs of the Department of State is to develop oral-aural proficiencies in languages for foreign affairs personnel assigned overseas.

Instruction: The curriculum is designed to help students acquire language skills to meet general social demands and to further develop the competence to handle professional work-related requirements within special fields; learning to be an effective communicator and reading of current newspapers, periodicals, documentary material and literature in various professional fields of the language being studied are integral parts of each program.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, a maximum of 12 semester hours for each course (7/73). Before awarding credit, officials at receiving institutions should obtain a certified Language Training Report (Form DS-651) from the Registrar of the Foreign Service Institute (Department of State; 1400 Key Boulevard; Arlington, Virginia 22209).

AF-0602-0002

Foreign Service Institute Language Programs
(Hausa)

Course Number: None.

Location: School of Language Studies, Arlington, VA.

Length: 19 weeks.

Exhibit Dates: 1/59-Present.

Objectives: The primary objective of the Foreign Service Institute language programs of the Department of State is to develop oral-aural proficiencies in languages for foreign affairs personnel assigned overseas.

Instruction: The curriculum is designed to help students acquire language skills to meet general social demands and to further develop the competence to handle professional work-related requirements within special fields; learning to be an effective communicator and reading of current newspapers, periodicals, documentary material and literature in various professional fields of the language being studied are integral parts of each program.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, a maximum of 15 semester hours (7/73). Before awarding credit, officials at receiving institutions should obtain a certified Language Training Report (Form DS-651) from the Registrar of the Foreign Service Institute (Department of State; 1400 Key Boulevard; Arlington, Virginia 22209).

AF-0602-0003

Foreign Service Institute Language Programs
(Afrikaans)

Course Number: None.

Location: School of Language Studies, Arlington, VA.

Length: 20 weeks.

Exhibit Dates: 1/59-Present.

Objectives: The primary objective of the Foreign Service Institute language programs of the Department of State is to develop oral-aural proficiencies in languages for foreign affairs personnel assigned overseas.

Instruction: The curriculum is designed to help students acquire language skills to meet general social demands and to further develop the competence to handle professional work-related requirements within special fields; learning to be an effective communicator and reading of current newspapers, periodicals, documentary material and literature in various professional fields of the language being studied are integral parts of each program.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, a maximum of 12 semester hours (7/73). Before awarding credit, officials at receiving institutions should obtain a certified Language Training Report (Form DS-651) from the Registrar of the Foreign Service Institute (Department of State; 1400 Key Boulevard; Arlington, Virginia 22209).

AF-0602-0004

FOREIGN SERVICE INSTITUTE LANGUAGE PROGRAMS
(Danish)
(Dutch)
(French)
(German)
(Italian)
(Norwegian)
(Portuguese)
(Spanish)
(Swedish)

Course Number: None.
Location: School of Language Studies, Arlington, VA.
Length: 20 weeks.
Exhibit Dates: 1/59-Present.

Objectives: The primary objective of the Foreign Service Institute language programs of the Department of State is to develop oral-aural proficiencies in languages for foreign affairs personnel assigned overseas.

Instruction: The curriculum is designed to help students acquire language skills to meet general social demands and to further develop the competence to handle professional work-related requirements within special fields; learning to be an effective communicator and reading of current newspapers, periodicals, documentary material and literature in various professional fields of the language being studied are integral parts of each program.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, a maximum of 14 semester hours for each course (7/73). Before awarding credit, officials at receiving institutions should obtain a certified Language Training Report (Form DS-651) from the Registrar of the Foreign Service Institute (Department of State; 1400 Key Boulevard; Arlington, Virginia 22209).

AF-0602-0005

FOREIGN SERVICE INSTITUTE LANGUAGE PROGRAMS
(Vietnamese)

Course Number: None.
Location: School of Language Studies, Arlington, VA.
Length: 20 weeks.
Exhibit Dates: 1/59-Present.

Objectives: The primary objective of the Foreign Service Institute language programs of the Department of State is to develop oral-aural proficiencies in languages for foreign affairs personnel assigned overseas.

Instruction: The curriculum is designed to help students acquire language skills to meet general social demands and to further develop the competence to handle professional work-related requirements within special fields; learning to be an effective communicator and reading of current newspapers, periodicals, documentary material and literature in various professional fields of the language being studied are integral parts of each program.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, a maximum of 15 semester hours (7/73). Before awarding credit, officials at receiving institutions should obtain a certified Language Training Report (Form DS-651) from the Registrar of the Foreign Service Institute (Department of State; 1400 Key Boulevard; Arlington, Virginia 22209).

AF-0602-0006

FOREIGN SERVICE INSTITUTE LANGUAGE PROGRAMS
(Afrikaans)
(Dutch)
(French)
(German)
(Italian)
(Portuguese)
(Rumanian)
(Spanish)
(Swahili)
(Swedish)

Course Number: None.
Location: School of Language Studies, Arlington, VA.
Length: 24 weeks.
Exhibit Dates: 1/59-Present.

Objectives: The primary objective of the Foreign Service Institute language programs of the Department of State is to develop oral-aural proficiencies in languages for foreign affairs personnel assigned overseas.

Instruction: The curriculum is designed to help students acquire language skills to meet general social demands and to further develop the competence to handle professional work-related requirements within special fields; learning to be an effective communicator and reading of current newspapers, periodicals, documentary material and literature in various professional fields of the language being studied are integral parts of each program.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, a maximum of 15 semester hours for each course (7/73). Before awarding credit, officials at receiving institutions should obtain a certified Language Training Report (Form DS-651) from the Registrar of the Foreign Service Institute (Department of State; 1400 Key Boulevard; Arlington, Virginia 22209).

AF-0602-0007

FOREIGN SERVICE INSTITUTE LANGUAGE PROGRAMS
(Amharic)
(Arabic)
(Arabic—Western)
(Bengali)
(Bulgarian)
(Burmese)
(Cambodian)
(Chinese—Cantonese)
(Chinese—Mandarin)
(Czech)
(Dari—Afghan Persian)
(Finnish)
(Greek)
(Hebrew)
(Hindi/Urdu)
(Hungarian)
(Indonesian)
(Japanese)
(Korean)
(Lao)
(Malay)
(Nepali)
(Persian)
(Filipino/Tagalog)
(Polish)
(Russian)
(Serbo-Croatian)
(Sinhala)
(Tamil)
(Thai)
(Turkish)
(Vietnamese)

Course Number: None.
Location: School of Language Studies, Arlington, VA.
Length: 24 weeks.
Exhibit Dates: 1/59-Present.

Objectives: The primary objective of the Foreign Service Institute language programs of the Department of State is to develop oral-aural proficiencies in languages for foreign affairs personnel assigned overseas.

Instruction: The curriculum is designed to help students acquire language skills to meet general social demands and to further develop the competence to handle professional work-related requirements within special fields; learning to be an effective communicator and reading of current newspapers, periodicals, documentary material and literature in various professional fields of the language being studied are integral parts of each program.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, a maximum of 18 semester hours for each course (7/73). Before awarding credit, officials at receiving institutions should obtain a certified Language Training Report (Form DS-651) from the Registrar of the Foreign Service Institute (Department of State; 1400 Key Boulevard; Arlington, Virginia 22209).

AF-0602-0008

FOREIGN SERVICE INSTITUTE LANGUAGE PROGRAMS
(Swahili)

Course Number: None.
Location: School of Language Studies, Arlington, VA.
Length: 32 weeks.
Exhibit Dates: 1/59-Present.

Objectives: The primary objective of the Foreign Service Institute language programs of the Department of State is to develop oral-aural proficiencies in languages for foreign affairs personnel assigned overseas.

Instruction: The curriculum is designed to help students acquire language skills to meet general social demands and to further develop the competence to handle professional work-related requirements within special fields; learning to be an effective communicator and reading of current newspapers, periodicals, documentary material and literature in various professional fields of the language being studied are integral parts of each program.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, a maximum of 18 semester hours (7/73). Before awarding credit, officials at receiving institutions should obtain a certified Language Training Report (Form DS-651) from the Registrar of the Foreign Service Institute (Department of State; 1400 Key Boulevard; Arlington, Virginia 22209).

AF-0602-0009

Foreign Service Institute Language Programs
(Danish)
(German)
(Norwegian)

Course Number: None.
Location: School of Language Studies, Arlington, VA.
Length: 32 weeks.
Exhibit Dates: 1/59–Present.

Objectives: The primary objective of the Foreign Service Institute language programs of the Department of State is to develop oral-aural proficiencies in languages for foreign affairs personnel assigned overseas.

Instruction: The curriculum is designed to help students acquire language skills to meet general social demands and to further develop the competence to handle professional work-related requirements within special fields; learning to be an effective communicator and reading of current newspapers, periodicals, documentary material and literature in various professional fields of the language being studied are integral parts of each program.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, a maximum of 20 semester hours for each course (7/73). Before awarding credit, officials at receiving institutions should obtain a certified Language Training Report (Form DS-651) from the Registrar of the Foreign Service Institute (Department of State; 1400 Key Boulevard; Arlington, Virginia 22209).

AF-0602-0010

Foreign Service Institute Language Programs
(Rumanian)

Course Number: None.
Location: School of Language Studies, Arlington, VA.
Length: 44 weeks.
Exhibit Dates: 1/59–Present.

Objectives: The primary objective of the Foreign Service Institute language programs of the Department of State is to develop oral-aural proficiencies in languages for foreign affairs personnel assigned overseas.

Instruction: The curriculum is designed to help students acquire language skills to meet general social demands and to further develop the competence to handle professional work-related requirements within special fields; learning to be an effective communicator and reading of current newspapers, periodicals, documentary material and literature in various professional fields of the language being studied are integral parts of each program.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, a maximum of 21 semester hours (7/73). Before awarding credit, officials at receiving institutions should obtain a certified Language Training Report (Form DS-651) from the Registrar of the Foreign Service Institute (Department of State; 1400 Key Boulevard; Arlington, Virginia 22209).

AF-0602-0011

Foreign Service Institute Language Programs
(Bulgarian)
(Burmese)
(Cambodian)
(Czech)
(Finnish)
(Greek)
(Hebrew)
(Hindi/Urdu)
(Hungarian)
(Indonesian)
(Persian)
(Polish)
(Russian)
(Serbo-Croatian)
(Thai)
(Turkish)
(Vietnamese)

Course Number: None.
Location: School of Language Studies, Arlington, VA.
Length: 44 weeks.
Exhibit Dates: 1/59–Present.

Objectives: The primary objective of the Foreign Service Institute language programs of the Department of State is to develop oral-aural proficiencies in languages for foreign affairs personnel assigned overseas.

Instruction: The curriculum is designed to help students acquire language skills to meet general social demands and to further develop the competence to handle professional work-related requirements within special fields; learning to be an effective communicator and reading of current newspapers, periodicals, documentary material and literature in various professional fields of the language being studied are integral parts of each program.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, a maximum of 24 semester hours for each course (7/73). NOTE: Credit recommendation is based on an on-site evaluation. Before awarding credit, officials at receiving institutions should obtain a certified Language Training Report (Form DS-651) from the Registrar of the Foreign Service Institute (Department of State; 1400 Key Boulevard; Arlington, Virginia 22209).

AF-0602-0012

Foreign Service Institute Language Programs
(Amharic)
(Arabic)
(Arabic—Western)
(Bengali)
(Chinese—Cantonese)
(Chinese—Mandarin)
(Dari—Afghan Persian)
(Japanese)
(Korean)
(Lao)
(Nepali)
(Filipino/Tagalog)

Course Number: None.
Location: School of Language Studies, Arlington, VA.
Length: 44 weeks.
Exhibit Dates: 1/59–Present.

Objectives: The primary objective of the Foreign Service Institute language programs of the Department of State is to develop oral-aural proficiencies in languages for foreign affairs personnel assigned overseas.

Instruction: The curriculum is designed to help students acquire language skills to meet general social demands and to further develop the competence to handle professional work-related requirements within special fields; learning to be an effective communicator and reading of current newspapers, periodicals, documentary material and literature in various professional fields of the language being studied are integral parts of each program.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, a maximum of 27 semester hours for each course (7/73). Before awarding credit, officials at receiving institutions should obtain a certified Language Training Report (Form DS-651) from the Registrar of the Foreign Service Institute (Department of State; 1400 Key Boulevard; Arlington, Virginia 22209).

AF-0602-0013

Foreign Service Institute Language Programs
(Arabic—Eastern)
(Chinese—Standard)
(Japanese)

Course Number: None.
Location: School of Language Studies, Arlington, VA.
Length: 92 weeks.
Exhibit Dates: 1/59–Present.

Objectives: The primary objective of the Foreign Service Institute language programs of the Department of State is to develop oral-aural proficiencies in languages for foreign affairs personnel assigned overseas.

Instruction: The curriculum is designed to help students acquire language skills to meet general social demands and to further develop the competence to handle professional work-related requirements within special fields; learning to be an effective communicator and reading of current newspapers, periodicals, documentary material and literature in various professional fields of the language being studied are integral parts of each program.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, a maximum of 56 semester hours for each course (7/73). Before awarding credit, officials at receiving institutions should obtain a certified Language Training Report (Form DS-651) from the Registrar of the Foreign Service Institute (Department of State; 1400 Key Boulevard; Arlington, Virginia 22209).

AF-0701-0001

Independent Duty Dental Technician

Course Number: 3AZR98170.
Location: Sheppard Technical Training Center, Sheppard AFB, TX.
Length: 5 weeks (150 hours).
Exhibit Dates: 8/70–12/73.

Objectives: To train dental assistants to become independent-duty dental technicians.

Instruction: Lectures and practical experience in the basic dental sciences, with emphasis on temporary restorative treatment, field exodontia, and preventive dentistry.

Credit Recommendation: Credit is not recommended because of the limited technical nature of the course (2/74).

AF-0701-0005

Dental Assistant (Phase I)

Course Number: 3ALR98330.

Location: Sheppard Technical Training Center, Sheppard AFB, TX.

Length: 18 weeks (540 hours).

Exhibit Dates: 7/72–12/73.

Objectives: To provide enlisted personnel with auxiliary training in the field of dental assisting.

Instruction: Lectures and practical experience in advanced dental assisting, including postoperative treatment; making impressions; placing and removing sutures; irrigating and medicating root canals; constructing and placing temporary crowns and temporary fixed partial dentures; and placing, carving, and finishing temporary and permanent restorations.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in dental assisting, 3 in dental hygiene, all on the basis of institutional evaluation (2/74).

AF-0701-0006

Dental Assistant (Phase II)

Course Number: 3AAR98370.

Location: Sheppard Technical Training Center, Sheppard AFB, TX.

Length: 8 weeks (320 hours).

Exhibit Dates: 11/72–12/73.

Objectives: To provide enlisted personnel with auxiliary training in the field of dental assisting.

Instruction: Lectures and practical experience in advanced dental assisting, including postoperative treatment; making impressions; placing and removing sutures; irrigating and medicating root canals; constructing and placing temporary crowns and temporary fixed partial dentures; and placing, carving, and finishing temporary and permanent restorations.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in dental assisting, 2 in dental hygiene, all on the basis of institutional evaluation (2/74).

AF-0701-0008

Preventive Dentistry Specialist

Course Number: 3ALR98131.

Location: Sheppard Technical Training Center, Sheppard AFB, TX.

Length: *Version 1:* 7 weeks (228 hours). *Version 2:* 8 weeks (240 hours).

Exhibit Dates: *Version 1:* 8/72–12/73. *Version 2:* 4/69–7/72.

Objectives: To train enlisted personnel as preventive dentistry specialists.

Instruction: *All Versions:* Lectures and practical exercises in preventive dentistry, including pathology, elementary chairside assisting, clinical procedures, oral hygiene, prosthetic procedures, periodontal anatomy, microscopy, and communicative skills. *Version 1:* Instruction includes radiology.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 1 semester hour in oral and written communication (1/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in oral and written communication (1/74).

AF-0701-0009

Dental Supervisor

Course Number: 3AZR98170-1.

Location: School of Health Care Sciences, Sheppard AFB, TX.

Length: 5–6 weeks (168–230 hours).

Exhibit Dates: 3/72–12/73.

Objectives: To train enlisted personnel to supervise and administer dental services.

Instruction: Lectures and practical exercises in the supervision and administration of dental services. Course includes dental service programs, supplies, and ancillary technology; operational procedures; and dental administrative procedures.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (1/74).

AF-0701-0010

Complete Denture Prosthetics

Course Number: *Version 1:* 3AZR98270-4. *Version 2:* 3AZR98270-4; AZR98270-4. *Version 3:* AAR98270-1; AAU98270-1; AA98270-1.

Location: *Version 1:* School of Health Care Sciences, Sheppard AFB, TX. *Version 2:* School of Health Care Sciences, Sheppard AFB, TX. *Version 3:* Medical Service School, Gunter AFB, AL.

Length: *Version 1:* 4 weeks (160 hours). *Version 2:* 6–7 weeks (198–210 hours). *Version 3:* 6 weeks (226–234 hours).

Exhibit Dates: *Version 1:* 8/73–12/73. *Version 2:* 7/67–7/73. *Version 3:* 7/57–6/67.

Objectives: To train dental technicians in complete denture prosthetics.

Instruction: Lectures and practical exercises in the fabrication of dentures. Course includes baseplates and occlusion rims, cast mounting, tooth arrangement, wax up and festoon, flasking and boilout, packing and curing, deflasking and remounting, selective grinding, and finishing and polishing.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 5 semester hours in complete denture prosthetics (7/74). *Version 2:* In the upper-division baccalaureate category, credit in dental laboratory technology on the basis of institutional evaluation (12/68). *Version 3:* In the upper-division baccalaureate category, credit in dental laboratory technology on the basis of institutional evaluation (12/68).

AF-0701-0011

1. Crown and Fixed Partial Denture Prosthetics
2. Crown and Bridge Dental Prosthetics

Course Number: *Version 1:* 3AZR98270-5; AAR98270-2. *Version 2:* AA98270-2.

Location: *Version 1:* Sheppard Technical Training Center, Sheppard AFB, TX. *Version 2:* Medical Service School, Gunter AFB, AL.

Length: *Version 1:* 7–8 weeks (240–268 hours). *Version 2:* 3 weeks (179 hours).

Exhibit Dates: *Version 1:* 12/61–12/73. *Version 2:* 12/57–11/61.

Objectives: To train dental laboratory specialists in the fundamentals of crown and bridge techniques.

Instruction: Lectures and laboratories in the fundamentals of crown and bridge construction techniques, including inlays, ceramics, and porcelain and acrylic veneers.

Credit Recommendation: In the upper-division baccalaureate category, credit in dental laboratory technology on the basis of institutional evaluation (12/68).

AF-0701-0012

Removable Partial Denture Prosthetics

Course Number: *Version 1:* 3AZR98270-6. *Version 2:* 3AZR98270-6; AZR98270-6; AAR98270-3.

Location: *All Versions:* School of Health Care Sciences, Sheppard AFB, TX. *Version 2:* Medical Service School, Gunter AFB, AL.

Length: *Version 1:* 3 weeks (138 hours). *Version 2:* 6–7 weeks (210–230 hours).

Exhibit Dates: *Version 1:* 7/73–12/73. *Version 2:* 12/61–6/73.

Objectives: To provide enlisted personnel with the skills necessary to cast removable dentures.

Instruction: Lectures and practical experience in the basic principles of casting chrome-cobalt removable dentures, including design and duplication; setting up, polishing, finishing, and repairing completed dentures; and preventive maintenance.

Credit Recommendation: *Version 1:* Low 3 semester hours in dental laboratory technology on the basis of institutional examination (2/74); in the upper-division baccalaureate category, 2 semester hours in dental laboratory technology on the basis of institutional evaluation (2/74). *Version 2:* In the upper-division baccalaureate category, credit in dental laboratory technology on the basis of institutional evaluation (12/68).

AF-0701-0013

1. Dental Specialist
2. Apprentice Dental Specialist

Course Number: *Version 1:* 3ABR98130; ABR98130-1; ABR98130. *Version 2:* AB98130.

Location: *Version 1:* Sheppard Technical Training Center, Sheppard AFB, TX. *Version 2:* School of Aviation Medicine, Gunter AFB, AL.

Length: *Version 1:* 8–9 weeks (270–300 hours). *Version 2:* 9–14 weeks (351–546 hours).

Exhibit Dates: *Version 1:* 12/62–12/73. *Version 2:* 6/55–11/62.

Objectives: To train enlisted personnel to perform as apprentice dental specialists.

Instruction: Lectures and practical experience in dental anatomy, oral pathology, clinical radiology, prophylaxis procedures, dental equipment maintenance, and dental office administration.

Credit Recommendation: In the upper-division baccalaureate category, credit in dental technology on the basis of institutional evaluation (12/68).

AF-0701-0014

Dental Laboratory Technician

Course Number: AA98270.

Location: School of Aviation Medicine, Gunter AFB, AL.

Length: 12–16 weeks (624–626 hours).

Exhibit Dates: 5/52–12/68.

Objectives: To train enlisted personnel to perform the duties of a dental laboratory technician.

Instruction: Lectures and practical experience in dental laboratory techniques, including field dental equipment, prosthetic laboratory techniques, dental materials, oral pathology, applied anatomy and physiology, and preventive medicine.

Credit Recommendation: In the upper-division baccalaureate category, credit in dental laboratory technology on the basis of institutional evaluation (12/68).

AF-0701-0015

Dental Technician
(Dental Technician Advanced)

Course Number: *Version 1:* 3AAR98170-1. *Version 2:* AAR98170. *Version 3:* AA98170; AAU98170; AA90970.

Location: *Version 1:* Sheppard Technical Training Center, Sheppard AFB, TX. *Version 2:* Medical Service School, Gunter AFB, AL. *Version 3:* School of Aviation Medicine, Gunter AFB, AL.

Length: *Version 1:* 8 weeks (240 hours). *Version 2:* 11 weeks (412 hours). *Version 3:* 12 weeks (468 hours).

Exhibit Dates: *Version 1:* 7/67–12/73. *Version 2:* 8/61–6/67. *Version 3:* 10/54–7/61.

Objectives: To train enlisted personnel to assist a dentist.

Instruction: *All Versions:* Lectures and practical exercises in dental assisting and preventive dentistry. Course includes introduction to dental assisting, elementary chairside assisting, pathology and pharmacology, dental management, and oral and written communication. *Version 2:* Course includes dental anatomy, dental materials, dental radiology, advanced chairside sitting, and scaling of teeth.

Credit Recommendation: In the upper-division baccalaureate category, credit in dental technology on the basis of institutional evaluation (12/68).

AF-0701-0016

1. Dental Laboratory Specialist
2. Dental Laboratory Specialist
   (Apprentice Dental Laboratory Specialist)

Course Number: *Version 1:* 3ABR98230. *Version 2:* ABR98230-1; ABR98230; AB98230; ABU98230.

Location: *All Versions:* School of Health Care Sciences, Sheppard AFB, TX. *Version 2:* Medical Service School, Gunter AFB, AL.

Length: *Version 1:* 27–29 weeks (878 hours). *Version 2:* 21–26 weeks (780–936 hours).

Exhibit Dates: *Version 1:* 9/69–12/73. *Version 2:* 3/54–8/69.

Objectives: To provide enlisted personnel with a basic knowledge of dental technology.

Instruction: Lectures and laboratory in the fundamentals of dental technology, including dental anatomy; complete denture construction; cast removable partial denture construction; construction of gold crowns and inlays, fixed partial dentures, and acrylic resin jacket crowns; and maintenance of dental laboratory equipment.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 1 semester hour in dental laboratory technology on the basis of institutional evaluation (2/74). *Version 2:* In the upper-division baccalaureate category, credit in dental laboratory technology on the basis of institutional evaluation (12/68).

AF-0701-0017

Chrome-Cobalt Dental Prosthetics

Course Number: AAU98270-B; DU90951-1.

Location: School of Aviation Medicine, Gunter AFB, AL.

Length: 2–6 weeks (74–234 hours).

Exhibit Dates: 8/54–12/68.

Objectives: To train enlisted personnel in the fundamentals of cast partial denture prosthetics, with emphasis on the use of chrome-cobalt metals.

Instruction: Lectures and laboratories in the fundamentals of cast partial denture prosthetics, including designing, duplicating, waxing, investing, casting, and finishing partial dentures in chrome-cobalt metal.

Credit Recommendation: In the upper-division baccalaureate category, credit in dental laboratory technology on the basis of institutional evaluation (12/68).

AF-0702-0001

Cardiopulmonary Laboratory Specialist

Course Number: 3ALR91630.

Location: School of Health Care Sciences, Sheppard AFB, TX.

Length: 8 weeks (240 hours).

Exhibit Dates: 11/72–12/73.

Objectives: To train airmen as assistants in cardiopulmonary medicine.

Instruction: Lectures on cardiovascular and respiratory anatomy and physiology; diagnostic techniques; and therapy for cardiac and pulmonary disorders.

Credit Recommendation: In the upper-division baccalaureate category, credit in respiratory therapy on the basis of institutional evaluation (2/74).

AF-0702-0002

Cardiopulmonary Laboratory Technician

Course Number: 5ALO91630.

Location: Malcolm Grow USAF Hospital, Andrews AFB, MD.

Length: 39 weeks (1560 hours).

Exhibit Dates: 7/68–Present.

Objectives: To train medical corpsmen to function as cardiopulmonary laboratory technicians.

Instruction: Lectures and clinical application in anatomy and physiology; electrocardiography; phonocardiography; stress tests; blood pressure recording; cardiac catheterization; angiography and arteriography; drug reaction studies and procedures; anatomy and physiology of the lungs; inhalation therapy; blood gas analysis; and pulmonary function studies.

Credit Recommendation: In the upper-division baccalaureate category, credit in cardiopulmonary technology on the basis of institutional evaluation (12/68).

AF-0702-0003

Clinical Laboratory Officer

Course Number: OBR9151.

Location: Medical Service School, Gunter AFB, AL.

Length: 16 weeks (624–640 hours).

Exhibit Dates: 3/55–12/68.

Objectives: To provide the student with the skills necessary to supervise and administer a medical laboratory.

Instruction: Lectures and practical clinical exercises in electrocardiography, bacteriology, chemistry, hematology, histology, parasitology, immunohematology, urinalysis, preventive medicine, veterinary service, and laboratory administration.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in advanced clinical laboratory techniques (12/68).

AF-0702-0004

Medical Laboratory Technician

Course Number: *Version 1:* 5AZY90470. *Version 2:* AA90470.

Location: *Version 1:* School of Aerospace Medicine, Brooks AFB, TX. *Version 2:* School of Aviation Medicine, Gunter AFB, AL.

Length: *Version 1:* 6 weeks (240 hours). *Version 2:* 25 weeks (972 hours).

Exhibit Dates: *Version 1:* 12/71–12/73. *Version 2:* 2/54–11/71.

Objectives: To provide the medical laboratory technician with current information in medical laboratory methods and equipment.

Instruction: Lectures and practical experience in quality control methods, bacteriology, medical mycology methods and techniques, parasitology, serology, hematology, clinical chemistry, virology, forensic toxicology, drug abuse detection, laboratory management, and military public health programs.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 10 semester hours in medical technology or 10 in biology or chemistry (2/74). *Version 2:* In the upper-division baccalaureate category, 10 semester hours in science for non-science majors or 5 in biology or chemistry for science majors (12/68).

AF-0702-0005

1. Medical Laboratory Specialist, Phase I
2. Medical Laboratory Specialist, Phase I
3. Medical Laboratory Specialist, Phase I
4. Apprentice Medical Laboratory Specialist

Course Number: *Version 1:* 3ABR90430; 3ABR90430-2. *Version 2:* ABR90430-2. *Version 3:* ABR90430. *Version 4:* AB90430.

Location: *Version 1:* School of Health Care Sciences, Sheppard AFB, TX; Medical Service School, Sheppard AFB, TX. *Version 2:* Medical Service School, Sheppard AFB, TX; Medical Service School, Gunter AFB, AL. *Version 3:* Medical Service School, Gunter AFB, AL. *Version 4:* School of Aviation Medicine, Gunter AFB, AL.

Length: *Version 1:* 17–22 weeks (510–668 hours). *Version 2:* 14–17 weeks (510–596 hours). *Version 3:* 16 weeks (596 hours). *Version 4:* 19–21 weeks (741–819 hours).

Exhibit Dates: *Version 1:* 9/68–12/73. *Version 2:* 9/65–8/68. *Version 3:* 6/62–8/65. *Version 4:* 6/54–5/62.

Objectives: To train personnel as medical laboratory specialists.

Instruction: *All Versions:* Lectures and practical exercises in medical laboratory technology, including clinical chemistry, bacteriology, hematology, and disaster medicine. *Version 1:* Topics include medical service fundamentals, anatomy, thermal injuries and heat disorders, chest and abdominal injuries, head and back injuries, toxic agents, anatomy and physiology; urinalysis, clinical microbiology, serology, and blood banking. *Version 2:* Topics include microbiology. *Version 3:* Topics include biochemistry, urinalysis, microbiology, preventive medicine, serology, and histological techniques. *Version 4:* Topics include aviation medicine, medical material, serology, transfusions, histological techniques, parasitology, urinalysis, virology, nuclear medicine, veterinary training, and medicine and surgery.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the upper-division baccalaureate category, 30 semester hours applied to a major in medical technology OR 10 applied to a minor in chemistry or biology (12/68). NOTE: Granting of this credit is contingent upon completion of this course and either AF-0702-0006 or AF-0702-0007. No credit is recommended for completion of this course alone. *Version 3:* In the upper-division baccalaureate category, 30 semester hours applied to a major in medical technology OR 10 applied to a minor in chemistry or biology (12/68). NOTE: Granting of this credit is contingent upon completion of this course and either AF-0702-0006 or AF-0702-0007. No credit is recommended for completion of this course alone. *Version 4:* In the upper-division baccalaureate category, 5 semester hours in basic science for non-science majors, 2 in biology or chemistry for science majors (12/68).

AF-0702-0006

Histopathology/Cytotechnology Specialist
(Alternate Phase II of Medical Laboratory Specialist Course)

Course Number: 5ALO90431.
Location: Selected Air Force Hospitals, U.S.A..
Length: 36 weeks (1440 hours).
Exhibit Dates: 10/68–Present.
Objectives: To train airmen as histopathology and cytotechnology specialists.
Instruction: Lectures and practical exercises in histopathology and cytotechnology including histopathology procedures; decalcifying procedures; dehydration procedures; normal staining procedures; using the microtome and cryostat and sharpening blades for the two instruments; coverslipping microscopic slides; assisting in morgue duties; cytotechnology procedures; facts about normal vaginal, cervical, and uterine cytology, prepuberty smears, postpartum smears, menopausal smears, and postmenopausal smears; preparing biological stains and staining prepared slides; normal, atypical, and abnormal vaginal, cervical and uterine cells; therapeutic changes; maturation index and fluid cytology; and screening of female genital tract slide-specimen materials to differentiate the normal from atypical and abnormal cell patterns.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 8 semester hours in chemistry or biology (7/74); in the upper-division baccalaureate category, 20 semester hours in histopathology/cytotechnology for medical technology majors, 8 in chemistry or biology (12/68). NOTE: Granting of this credit is contingent upon completion of Medical Laboratory Specialist, Phase I (AF-0702-0005) and this course.

AF-0702-0007

Medical Laboratory Specialist, Phase II

Course Number: 5AZO90450; AZR90450.
Location: Selected Air Force Hospitals, U.S.A..
Length: 36 weeks (1440 hours).
Exhibit Dates: 9/60–Present.
Objectives: To train airmen as medical laboratory specialists.
Instruction: Lectures and practical exercises in medical laboratory technology, including introduction to the clinical laboratory, hematology, urinalysis, blood banking and immunohematology, serology, clinical chemistry, microbiology (bacteriology, mycology, and virology), parasitology, histopathology, special chemistry, laboratory administration, and night duty training.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in clinical laboratory techniques, 8 in hematology, 3 in clinical microscopy, 5 in blood bank and immunohematology (7/74); in the upper-division baccalaureate category, 30 semester hours in medical technology for medical technology majors or 10 in biology or chemistry for medical technology minors (12/68). NOTE: Credit is contingent upon completion of this course and Phase I (AF-0702-0005). No credit is recommended for either phase considered separately (12/68).

AF-0703-0001

Medical Service Technician
(Vocational Nurse)

Course Number: 3AZR90270-2.
Location: Sheppard Technical Training Center, Sheppard AFB, TX.
Length: 52 weeks (1830 hours).
Exhibit Dates: 12/69–12/73.
Objectives: To train medical service technicians to administer nursing care under the supervision of a registered nurse or physician.
Instruction: Lectures and clinical exercises in nursing care; family, personal and community health; psychiatric, maternal, and infant care; outpatients; practical nursing management techniques; community health services and intensive care.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-0703-0002

Nurse-Midwifery Residency

Course Number: 5OZO9776.
Location: Malcolm Grow USAF Medical Center, Andrews AFB, MD.
Length: 30 weeks (1350 hours).
Exhibit Dates: 1/73–Present.
Objectives: To train qualified registered nurses in the management of a patient's normal obstetrical and gynecological needs during the maternity cycle.
Instruction: Lectures and clinical residency experience in the practice of nurse-midwifery including antepartum care; physical examinations; sociological, cultural, and marital attitudes and influences; human growth and development; labor, delivery and puerperium; community aspects of nurse-midwifery; supervised clinical practice in labor and delivery methods; postpartum care; and management of minor gynecological problems.
Credit Recommendation: In the upper-division baccalaureate category, 15 semester hours in clinical practicum on the basis of institutional evaluation (6/75).

AF-0703-0003

Nursing Service Administration

Course Number: OZR9711.
Location: Medical Service School, Gunter AFB, AL.
Length: 24 weeks (920–946 hours).
Exhibit Dates: 12/62–12/68.
Objectives: To prepare staff nurses to assume administrative duties.
Instruction: Lectures and discussions in personnel management, human relations, communication skills, principles and methods of in-service education, legal responsibilities, and financial management.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in nursing administration, 2 in personnel management (2/74).

AF-0703-0004

Aerospace Nursing Residency

Course Number: 5OAY9766A.
Location: School of Aerospace Medicine, Brooks AFB, TX.
Length: 50–52 weeks (1973–2080 hours).
Exhibit Dates: 7/71–2/78.
Objectives: To prepare nurse corps officers to function as members of an aerospace medical team by educating them in the principles and procedures of flight and occupational medicine and military public health.
Instruction: Lectures and residency activities to encompass principles of management; nursing policies and procedures; health education programs; methods of research; maternal and child health care; school health programs; aerospace nursing; interviewing and counseling techniques in mental health clinics; flight medicine; aeromedical evacuation; survival techniques; occupational medicine; physical examinations; surgical research; military public health; global medicine disease prevention; and aerospace physiology.
Credit Recommendation: Credit is not recommended due to the professional nature of the course (6.75).

AF-0703-0005

Operating Room Supervisor

Course Number: 3OZR9736.
Location: School of Health Care Sciences, Sheppard AFB, TX.
Length: 22 weeks (837 hours).
Exhibit Dates: 7/72–12/73.
Objectives: To prepare registered nurses to supervise surgical services.
Instruction: Lectures and practical exercises in interpersonal relationships; guidance and counseling; job descriptions and performance standards; in-service education; safety; infection control; nursing processes and care evaluation; management principles and organization; budget; disaster planning; collective bargaining; and nursing service evaluation.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in nursing management (2/74).

AF-0703-0006

Nursing Service Management

Course Number: 3OZR9711-3.
Location: School of Health Care Sciences, Sheppard AFB, TX.
Length: 17 weeks (632 hours).
Exhibit Dates: 7/72–12/73.
Objectives: To train registered nurses for managerial and supervisory duties in military facilities.
Instruction: Lectures and practical exercises in research; problem-solving techniques; work simplification; data processing; human relations; in-service education; evaluation of nursing care; budget control; disaster planning; and collective bargaining and standards of accreditation.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in nursing management (2/74).

AF-0703-0007

1. Medical Service Fundamentals
2. Medical Helper
3. Basic Medical

Course Number: *Version 1:* 3AQR90010. *Version 2:* AQR90010; ABR90010. *Version 3:* BM90010.

Location: *Version 1:* 3750th Technical School, Sheppard AFB, TX. *Version 2:* 3505th Technical School, Greenville AFB, MS; 3750th Technical School, Sheppard AFB, TX. *Version 3:* 3275th Technical Training Group, Lackland AFB, TX.
Length: *Version 1:* 4 weeks (128 hours). *Version 2:* 5-6 weeks (120 hours). *Version 3:* 8 weeks (194 hours).
Exhibit Dates: *Version 1:* 5/70-12/73. *Version 2:* 8/61-4/70. *Version 3:* 10/57-7/61.
Objectives: To train auxiliary medical support personnel in basic medical fundamentals as a prerequisite for advanced specialties.
Instruction: *All Versions:* Lectures and practical exercises in basic medical fundamentals, including basic hospital procedures, field casualty care, and anatomy and physiology. *Version 1:* Topics include medical terminology, medical ethics, safety practices, facilities, emergency treatment for shock and hemorrhage, vital signs, resuscitation, emergency treatment for wounds, field dressings, fractures and dislocations, toxic agents, head and back injuries, chest and abdominal injuries, thermal injuries and heat disorders, disaster medicine, supplies and equipment, and resuscitation. *Version 2:* Topics include emergency medical treatment and mass casualty care, diagnostic procedures, and transportation of patients. *Version 3:* Topics include medical administration, pharmacy and ancillary services, preventive medicine and medical passive defense (CBR), medical and surgical training, hospital nursing procedures, and field medical training.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in anatomy and physiology, 3 in basic nurse skills, 3 in medical-surgical procedures (7/74). *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-0703-0008

FLIGHT NURSE

Course Number: 5OLY9761; OLY9761; OZY9700.
Location: School of Aerospace Medicine, Brooks AFB, TX; School of Aviation Medicine, Gunter AFB, AL.
Length: 5-6 weeks (170-234 hours).
Exhibit Dates: *Version 1:* 4/75-Present. *Version 2:* 9/54-3/75.
Objectives: To train personnel in the duties and responsibilities necessary to perform patient care during aeromedical evacuation.
Instruction: Lectures and practical exercises in physiological education, aerospace nursing, survival, preventive medicine, and flying safety.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in general and advanced nursing on the basis of institutional evaluation or 5 semester hours as electives in the biological sciences (2/78). *Version 2:* In the upper-division baccalaureate category, credit in general and advanced nursing on the basis of institutional evaluation (6/75).

AF-0703-0009

PEDIATRICS NURSE PRACTITIONER

Course Number: OAY9755.
Location: Wilford Hall Medical Center, Lackland AFB, TX.
Length: 21 weeks (840 hours).
Exhibit Dates: 7/71-12/73.
Objectives: To prepare nurse corps officers to assume an expanded role in providing comprehensive health services to children.
Instruction: Lectures and practical exercises in pediatric physical examinations, newborn care, growth and development, nutrition, immunizations, prematurity, infectious disease, behavioral problems, mental retardation, neurology, allergy, hematology, poisoning, dermatology, and pediatric gynecology.
Credit Recommendation: In the upper-division baccalaureate category, 8 semester hours in clinical practicum (6/75).

AF-0704-0001

PHYSICAL THERAPY TECHNICIAN

Course Number: 3AZR91370.
Location: School of Health Care Sciences, Sheppard AFB, TX.
Length: 6 weeks (180 hours).
Exhibit Dates: 6/70-12/73.
Objectives: To provide physical therapy assistants with advanced training in physical therapy techniques and clinic management.
Instruction: Lectures include administrative procedures, personnel supervision, advanced anatomy, patient treatment and prognosis, and clinical procedures and therapeutic exercises.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in anatomy and physiology, 6 in physical therapy, 3 in management (2/74).

AF-0704-0002

PHYSICAL THERAPY SPECIALIST

Course Number: 3ABR91330.
Location: Sheppard Technical Training Center, Sheppard AFB, TX.
Length: *Version 1:* 15 weeks (428 hours). *Version 2:* 10 weeks (300 hours).
Exhibit Dates: *Version 1:* 9/69-12/73. *Version 2:* 6/67-8/69.
Objectives: To train enlisted personnel to assist physical therapists in clinics.
Instruction: Lectures and practical exercises in neurological system and musculoskeletal system anatomy, rehabilitation procedures, exercises and other therapeutic procedures, and medical and surgical conditions necessary in treating musculo-skeletal and neurological disorders.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in first aid or disaster training, 30 in physical therapy assisting, and credit in nursing on the basis of institutional evaluation (2/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in anatomy or physiology, and credit in physical therapy on the basis of institutional evaluation (12/68).

AF-0704-0003

PHYSICAL THERAPY (ADVANCED)

Course Number: 5OZY9236.
Location: Wilford Hall Medical Center, Lackland AFB, TX.
Length: 4 weeks (160 hours).
Exhibit Dates: 3/68-12/73.
Objectives: To update knowledge of physical therapists in all areas of responsibility and increase effectiveness in treatment of the severely disabled.
Instruction: Lectures and practical exercises in disease and disability, with special emphasis on extended care, treatment procedures, orthotics and prosthetics, and the organization and administration of physical therapy units and their relationship to other health services.
Credit Recommendation: Credit is not recommended because of the professional nature of the training (6/75).

AF-0705-0001

RADIOLOGY TECHNICIAN

Course Number: *Version 1:* AAR90370-1. *Version 2:* AAR90370. *Version 3:* AA90370.
Location: *Version 1:* Medical Service School, Sheppard AFB, TX. *Version 2:* Medical Service School, Gunter AFB, AL. *Version 3:* School of Aviation Medicine, Gunter AFB, AL.
Length: *Version 1:* 9 weeks (270 hours). *Version 2:* 9 weeks (323-328 hours). *Version 3:* 16 weeks (624 hours).
Exhibit Dates: *Version 1:* 8/67-12/73. *Version 2:* 9/62-7/67. *Version 3:* 10/56-8/62.
Objectives: To provide radiology personnel with advanced training in radiologic technology.
Instruction: Lectures and practical exercises in radiographic fundamentals, anatomy and physiology, radiographic techniques, special radiographic positions, special equipment and procedures, radiation protections, and administration.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in elementary anatomy and physiology (12/68).

AF-0705-0002

1. RADIOLOGY SPECIALIST
2. RADIOLOGY SPECIALIST
3. APPRENTICE RADIOLOGY SPECIALIST

Course Number: *Version 1:* 3ABR90330. *Version 2:* ABR90330-1; ABR90330. *Version 3:* AB90330.
Location: *Version 1:* 3750th Technical School, Sheppard AFB, TX. *Version 2:* Medical Service School, Sheppard AFB, TX. *Version 3:* School of Aviation Medicine, Gunter AFB, AL.
Length: *Version 1:* 18 weeks (545 hours). *Version 2:* 12-14 weeks (420-439 hours). *Version 3:* 16-18 weeks (624-702 hours).
Exhibit Dates: *Version 1:* 9/71-12/73. *Version 2:* 1/63-8/71. *Version 3:* 4/54-12/62.
Objectives: To train airmen as radiology specialists.
Instruction: *All Versions:* Lectures and practical exercises in radiology, including radiographic fundamentals and procedures. *Version 1:* Topics include medical service fundamentals, osteology and radiographic considerations of the upper extremity, control of film quality, osteology and radiographic consideration of the lower extremity and pelvic girdle, osteology and radiographic considerations of the thorax, osteology and radiographic considerations of the skull and facial bones, and anatomy and physiology. *Version 2:* Topics include disaster medicine. *Version 3:* Topics include anatomy and physiology, clinical dentistry, medical administration, medical laboratory, medicine, nursing, radiobiology, correlative radiography, dark-room technique, practical radiography, positioning, roentgenographic physics, special procedures, therapy, roentgenology field equipment, electrical and radiation protection, and medical passive defense.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in physics, 2 in anatomy and physiology (7/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in anatomy and physiology (12/68). *Version 3:* In the upper-division baccalaure-

ate category, credit in elementary anatomy and physiology on the basis of institutional evaluation (12/68).

AF-0706-0001

Ophthalmology Surgical Technician

Course Number: AZY91270.

Location: School of Aerospace Medicine, Brooks AFB, TX.

Length: 5 weeks (200 hours).

Exhibit Dates: 7/69–Present.

Objectives: To prepare ophthalmology assistants to aid, under supervision, in the diagnosis, care, and treatment of ophthalmology patients.

Instruction: Practical application of routine visual testing; fitting and adjusting glasses; administration of eye drops and ointments; emergency care and dressings; preoperative preparation; assisting the ophthalmologist in surgical procedures; and care and maintenance of equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 1 semester hour in photography, 2 in anatomy and physiology of the eye, 2 in ophthalmic dispensing, 1 in optics, and 2 in clinical assisting (2/78).

AF-0706-0002

Optometry Specialist

Course Number: 3ABR91235.

Location: Sheppard Technical Training Center, Sheppard AFB, TX.

Length: 14 weeks (425 hours).

Exhibit Dates: 6/71–12/73.

Objectives: To train airmen to assist in an ophthalmological clinic or physician's office.

Instruction: Lectures and practical exercises in basic ocular anatomy and physiology; basic optics; use and maintenance of optometric testing equipment; visual therapy; medical ethics; asepsis; ocular first aid and emergency treatment.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in physiology and hygiene (5/73).

AF-0707-0001

Military Aspects of Sanitary and Industrial Hygiene Engineering

Course Number: OBR9121.

Location: Medical Service School, Gunter AFB, AL.

Length: 8 weeks (320 hours).

Exhibit Dates: 8/62–12/68.

Objectives: To provide the essential knowledge and skills necessary to perform sanitary and industrial hygiene duties.

Instruction: Aerospace medicine, including aviation medicine training; entomology; principles of medicine and surgery; veterinary training; and radiological health, including disaster medicine.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in community sanitation (12/68).

AF-0707-0002

General Preventive Medicine, Residency, Phases II and III

Course Number: 50AY9336; OAY9336.

Location: School of Aerospace Medicine, Brooks AFB, TX.

Length: 96 weeks (1909 hours).

Exhibit Dates: 6/69–Present.

Objectives: To prepare medical officers to practice in the specialized field of general preventive medicine.

Instruction: Lectures and practical exercises in aerospace medicine; educational methodology; entomology; environmental medicine; general preventive medicine; global medicine to include epidemiology and infectious diseases; occupational and disaster medicine; and research methodology.

Credit Recommendation: Credit is not recommended due to the professional nature of the course (6/75).

AF-0707-0003

Bio-Environmental Engineering

Course Number: OBY9121.

Location: School of Aerospace Sciences, Brooks AFB, TX.

Length: *Version 1:* 16 weeks (608 hours). *Version 2:* 16 weeks (605–608 hours).

Exhibit Dates: *Version 1:* 3/75–Present. *Version 2:* 9/68–2/75.

Objectives: To prepare engineers to practice bioenvironmental engineering in support of the Air Force aerospace medicine program.

Instruction: *All Versions:* Lectures on acoustics, physiology, biometrics, sanitary engineering and hygiene, general and environmental chemistry, and human engineering, and the application of biological and engineering principles to aviation environments. *Version 1:* Includes ecology.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 4 semester hours in physical sciences, 4 in chemistry, 4 in biological sciences, 3 in occupational health, and 3 in administration (2/78). *Version 2:* In the lower-division baccalaureate/associate degree category, 4 semester hours in physical science, 4 in chemistry, 4 in biological science, 4 in aviation science, 2 in industrial psychology, and additional credit in aviation science on the basis of institutional evaluation (2/74); in the upper-division baccalaureate category, 4 semester hours in physical science, 4 in chemistry, 4 in biological science, 4 in aviation science, 2 in industrial psychology, and additional credit in aviation science on the basis of institutional evaluation (2/74).

AF-0707-0004

Preventive Medicine Technician

Course Number: *All Versions:* AAY90770. *Version 2:* AAR90770; AA90770.

Location: *All Versions:* School of Aerospace Medicine, Brooks AFB, TX. *Version 2:* Medical Service School, Gunter AFB, AL.

Length: *Version 1:* 11 weeks (407–423 hours). *Version 2:* 12 weeks (451–495 hours).

Exhibit Dates: *Version 1:* 2/68–2/78. *Version 2:* 2/55–1/68.

Objectives: To train enlisted personnel as preventive medicine technicians.

Instruction: Lectures and practical exercises in preventive medicine, including management of the aerospace medicine program, military public health, water and waste disposal, medical entomology, occupational health, atmospheric sampling, and radiological health.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in sanitary bacteriology, 2 in elementary preventive medicine (7/74); in the upper-division baccalaureate category, 3 semester hours in sanitary bacteriology, 2 in elementary preventive medicine (12/68).

AF-0707-0005

1. Preventive Medicine Specialist
2. Preventive Medicine Specialist
3. Apprentice Preventive Medicine Specialist
4. Apprentice Preventive Medicine Specialist

Course Number: *Version 1:* ABY90730. *Version 2:* ABY90730; ABR90730. *Version 3:* AB90730. *Version 4:* AB90730.

Location: *Version 1:* School of Aerospace Medicine, Brooks AFB, TX. *Version 2:* School of Aerospace Medicine, Brooks AFB, TX. *Version 3:* Medical Service School, Gunter AFB, AL. *Version 4:* School of Aviation Medicine, Gunter AFB, AL.

Length: *Version 1:* 10 weeks (358 hours). *Version 2:* 10 weeks (371–376 hours). *Version 3:* 14 weeks (546 hours). *Version 4:* 16 weeks (624 hours).

Exhibit Dates: *Version 1:* 11/68–8/73. *Version 2:* 5/62–10/68. *Version 3:* 11/57–4/62. *Version 4:* 2/55–10/57.

Objectives: To train personnel as preventive medicine specialists.

Instruction: *All Versions:* Lectures and practical exercises in the duties of preventive medicine specialists, including bio-environmental engineering, disaster medicine, medical entomology, occupational health programs, radiological health programs, and sanitary engineering. *Version 1:* Topics include acoustics, basic orientation, disease epidemiology, educational methods, environmental surveys, fundamentals of science, illumination, medical aspects of missile operations, and ventilation. *Version 2:* Topics include preventive medicine, aircraft accident investigation, medical administration, field training, and military public health. *Version 3:* Topics include aeromedical evacuation, aeronautical sciences, aviation medicine, dental administration, educational advisory staff, medical materiel, typing, unit and personnel administration, medical laboratory, medical passive defense, nursing, preventive medicine, biostatistics, basic mathematics and chemistry, industrial hygiene, water supply and swimming pool sanitation, food service, military epidemiology, and veterinary service. *Version 4:* Topics include aeromedical evacuation, anatomy and physiology, aviation medicine, clinical dentistry, medicine and surgery, nursing preventive medicine, medical administration, unit and personnel administration, typing, medical materiel, medical laboratory, preventive medicine, military epidemiology, basic mathematics and chemistry, industrial hygiene, water supply and swimming pool sanitation, biostatistics, food service facilities, radiobiology, leadership and training management, leadership through group control, and veterinary service.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 4 semester hours in public health, 3 in OSHA/radiological control, and 3 in sanitary engineering (7/74); in the upper-division baccalaureate category, 4 semester hours in public health, 3 in OSHA/radiological control, and 3 in sanitary engineering (7/74). *Version 2:* In the lower-division baccalaureate/associate degree category, 2 semester hours in preventive medicine and 2 in sanitary bacteriology (7/74); in the upper-division baccalaureate category, 2 semester hours in elementary preventive medicine and 2 in sanitary bacteriology (12/68). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in elementary preventive medicine and 2 in sanitary bacteriology (12/68). *Version 4:* In the upper-division baccalaureate category, 2 semester hours in elementary preventive medicine and 2 in sanitary bacteriology (12/68).

AF-0707-0006

INDUSTRIAL HYGIENE MEASUREMENTS

Course Number: 5AZY907X0-2.
Location: School of Aerospace Medicine, Brooks AFB, TX.
Length: 2 weeks (61-72 hours).
Exhibit Dates: 7/76-Present.
Objectives: To provide training of officers in the evaluation and control of industrial hazards.
Instruction: Lectures and practical exercises in occupational health, atmospheric sampling, toxicology, ventilation, and illumination.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in industrial hygiene (2/78).

AF-0707-0007

ENVIRONMENTAL PROTECTION

Course Number: 5AZY907X0-1.
Location: School of Aerospace Medicine, Brooks AFB, TX.
Length: 2 weeks (60 hours).
Exhibit Dates: 8/76-Present.
Objectives: To train personnel in environmental monitoring techniques.
Instruction: Lectures and practical exercises in federal, state, and local regulations, and sampling techniques in relation to solid waste disposal and air, water, and noise pollution.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in environmental monitoring techniques (2/78).

AF-0707-0008

ENVIRONMENTAL HEALTH SPECIALIST

Course Number: 5ABY90730.
Location: School of Aerospace Medicine, Brooks AFB, TX.
Length: 11 weeks (339 hours).
Exhibit Dates: 9/73-Present.
Objectives: To train personnel to develop knowledge for public health and occupational health surveys.
Instruction: Lectures and practical exercises in fundamentals of science, acoustics, epidemiology, environmental engineering, medical zoology, and pesticide technology.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in medical zoology, 2 in sanitation, 2 in acoustics, 5 in health, 2 in industrial hygiene, and 2 in physical sciences (2/78).

AF-0708-0001

PSYCHIATRIC WARD SPECIALIST

Course Number: *Version 1:* 3ALR91431. *Version 2:* ABR91431-1. *Version 3:* ABR90238.
Location: *Version 1:* Sheppard Technical Training Center, Sheppard AFB, TX. *Version 2:* Sheppard Technical Training Center, Sheppard AFB, TX. *Version 3:* Medical Service School, Gunter AFB, AL.
Length: *Version 1:* 6 weeks (180 hours). *Version 2:* 14 weeks (420 hours). *Version 3:* 16 weeks (615 hours).
Exhibit Dates: *Version 1:* 7/68-12/73. *Version 2:* 5/67-6/68. *Version 3:* 5/62-4/67.
Objectives: To train enlisted personnel to assist psychiatrists and psychiatric nurses.
Instruction: Lectures and practical experience in basic concepts of mental health and mental illness, psychiatric team roles, recognition of abnormal behavior, observing and recording techniques, protective measures, and various therapies for psychiatric patients.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in psychiatric nursing on the basis of institutional evaluation (2/74). *Version 2:* In the upper-division baccalaureate category, credit in psychiatric nursing on the basis of institutional evaluation (12/68). *Version 3:* In the upper-division baccalaureate category, credit in psychiatric nursing on the basis of institutional evaluation (12/68).

AF-0709-0001

DIET THERAPY SPECIALIST

Course Number: 3ABR62231-1; 3ABR62231.
Location: Technical Training Center, Sheppard AFB, TX.
Length: 11-13 weeks (338-428 hours).
Exhibit Dates: 9/69-12/73.
Objectives: To train enlisted personnel in food service administration.
Instruction: Lectures and practical exercises in medical food service administration; basic and applied clinical nutrition; diet modifications and revisions, introduction to cooking standard recipes, food production, and services; and food ordering and purchasing.
Credit Recommendation: In the upper-division baccalaureate category, 9 semester hours in food service, hotel-motel management, or diet therapy, 3 in nutrition nursing (2/74).

AF-0709-0002

RESCUE AND SURVIVAL TECHNICIAN—
MEDICAL

Course Number: ALR92170.
Location: Medical Service School, Sheppard AFB, TX.
Length: 4 weeks (120 hours).
Exhibit Dates: 1/67-12/68.
Objectives: To provide airmen with the skills necessary to administer medical assistance to disaster victims.
Instruction: Medical terminology; anatomy and physics; preventive therapy; drug usage; emergency procedures for shock, hemorrhage, wounds, and infection; poisonous agents; food and water deprivation; disaster medicine.
Credit Recommendation: In the upper-division baccalaureate category, credit in first aid on the basis of demonstrated skills or institutional evaluation (12/68).

AF-0709-0003

PHARMACY TECHNICIAN

Course Number: *Version 1:* 3AAR90570-1. *Version 2:* AAR90570.
Location: *Version 1:* School of Health Care Sciences, Sheppard AFB, TX. *Version 2:* Medical Service School, Gunter AFB, AL.
Length: *Version 1:* 10 weeks (300 hours). *Version 2:* 16 weeks (584-594 hours).
Exhibit Dates: *Version 1:* 2/72-12/73. *Version 2:* 7/63-1/72.
Objectives: To train airmen in the compounding, dispensing, and manufacturing of pharmaceutical preparations.
Instruction: Lectures and practical exercises in pharmacy management and administration, pharmaceutical calculations and chemistry, pharmacological principles, and pharmaceutical dispensing.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in pharmacology nursing, 10 in pharmacy, additional credit on the basis of institutional evaluation (12/68). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in pharmaceutical chemistry, 2 in pharmacy laboratory, 1 in pharmaceutical mathematics (12/68).

AF-0709-0004

APPRENTICE AEROMEDICAL EVACUATION
SPECIALIST
(Apprentice Aeromedical Evacuation)

Course Number: AB90131.
Location: School of Aviation Medicine, Gunter AFB, AL.
Length: 6-8 weeks (234-312 hours).
Exhibit Dates: 6/55-12/68.
Objectives: To train medical helpers in the basic techniques used in aeromedical evacuations.
Instruction: Lectures and practical exercises in aeronautical sciences, aviation medicine, clinical dentistry, pharmacy, preventive medicine, psychiatry, nursing, surgery, and anatomy and physiology.
Credit Recommendation: In the upper-division baccalaureate category, credit in first aid and hygiene on the basis of institutional evaluation (2/74).

AF-0709-0005

MEDICAL SERVICE TECHNICIAN—
INDEPENDENT DUTY

Course Number: 3AZR90270.
Location: School of Health Care Sciences, Sheppard AFB, TX.
Length: 9 weeks (280 hours).
Exhibit Dates: 5/72-12/73.
Objectives: To train airmen to perform as medical technicians in remote or isolated areas.
Instruction: Lectures and clinical application in management of common disorders; emergency procedures; medical examinations and diagnosis; military public health; pharmacology; medical laboratory techniques.
Credit Recommendation: In the upper-division baccalaureate category, credit in physician assisting on the basis of institutional evaluation (2/74).

AF-0709-0006

ALLERGY AND IMMUNOLOGY SPECIALIST

Course Number: 5AZY91234.
Location: Wilford Hall USAF Hospital, Lackland AFB, TX.
Length: 2 weeks (60 hours).
Exhibit Dates: 8/69-12/73.
Objectives: To develop the skills and knowledge necessary for medical service specialists to be qualified in the allergy and immunology specialty.
Instruction: Preparation of patient for examination and treatment by physician; routine and special testing, including patch testing, interdermal testing, scratch testing, conjunctival testing; collection, interpretation, recordation, and performance of pollen-counting technique; preparation of allergenic extracts; recognition of symptoms of shock, asthma, and systemic reactions; emergency treatment, immunization, and vaccination administration, including needle and gun techniques; supervision of the preparation and distribution of the allergy hyposensitization kits prepared by section.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-0709-0007

PARARESCUE/RECOVERY SPECIALIST—MEDICAL

Course Number: 3AZR92330.
Location: School of Health Care Sciences, Sheppard AFB, TX.
Length: 4 weeks (126 hours).
Exhibit Dates: 8/72-12/73.
Objectives: To provide airmen with the knowledge and skills necessary to perform emergency medical procedures under adverse conditions.
Instruction: Medical management of emergency conditions; anatomy and physiology; fracture management and field medicine; injuries/disorders of the body systems.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-0709-0008

PHYSICIAN'S ASSISTANT

Course Number: 3ALR91730.
Location: School of Health Care Sciences, Sheppard AFB, TX.
Length: 46 weeks (1433 hours).
Exhibit Dates: 8/72-12/73.
Objectives: To train noncommissioned officers to be physician assistants.
Instruction: Lectures on examination, diagnosis, and treatment of diseases and injuries; diagnostic and therapeutic procedures; laboratory procedures; interpretation of medical findings; and referral.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-0709-0009

1. MEDICAL MATERIEL SPECIALIST
2. MEDICAL MATERIEL SPECIALIST
3. APPRENTICE MEDICAL MATERIEL SPECIALIST

Course Number: *Version 1:* 3ABR91530. *Version 2:* ABR91530-1, ABR90631. *Version 3:* AB90631.
Location: *Version 1:* Technical Training Center, Sheppard AFB, TX. *Version 2:* Medical Service School, Sheppard AFB, TX; Medical Service School, Gunter AFB, AL. *Version 3:* School of Aviation Medicine, Gunter AFB, AL.
Length: *Version 1:* 10 weeks (305-308 hours). *Version 2:* 6-7 weeks (180-258 hours). *Version 3:* 8-10 weeks (312-390 hours).
Exhibit Dates: *Version 1:* 2/71-12/73. *Version 2:* 5/62-1/71. *Version 3:* 5/54-4/62.
Objectives: To train airmen in the procedures and methodology of accounting, requisitioning, document control, stock control, equipment management, and related procedures of a medical supply account.
Instruction: *All Versions:* Organization of medical materiel; procurement procedures; inventory control; equipment management and maintenance. *Version 1:* Data processing. *Version 2:* Data processing. *Version 3:* Maintenance of office machines.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 10 semester hours in hospital administration, 2 in first aid (2/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in supply management (12/68). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in supply management (12/68).

AF-0709-0010

OPERATING ROOM SPECIALIST

Course Number: *Version 1:* 3ABR90232. *Version 2:* ABR90232-1; ABR90232. *Version 3:* ABR90232.
Location: *Version 1:* Sheppard Technical Training Center, Sheppard AFB, TX. *Version 2:* Medical Service School, Sheppard AFB, TX; Medical Service School, Gunter AFB, AL. *Version 3:* 3275th Technical School, Lackland AFB, TX.
Length: *Version 1:* 11-12 weeks (365-398 hours). *Version 2:* 10-11 weeks (300-415 hours). *Version 3:* 12 weeks (436 hours).
Exhibit Dates: *Version 1:* 4/70-12/73. *Version 2:* 6/62-3/70. *Version 3:* 1/59-5/62.
Objectives: To train airmen to function in surgery as operating room technicians.
Instruction: Lectures and practical exercises in aseptic techniques; cleaning and preparation of packs and supplies; sterilization, care, and use of instruments; care and use of equipment; operative procedures; and care of the patient.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in nursing on the basis of institutional evaluation (2/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in anatomy, physiology, and hygiene (12/68). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in physiology and hygiene (12/68).

AF-0709-0011

AEROMEDICAL EVACUATION TECHNICIAN

Course Number: *Version 1:* 5AZY902X0. *Version 2:* AZY902X0; XX902X0.
Location: *Version 1:* School of Aerospace Medicine, Brooks AFB, TX. *Version 2:* School of Aerospace Medicine, Brooks AFB, TX; School of Aviation Medicine, Gunter AFB, AL.
Length: *Version 1:* 5-6 weeks (171-196 hours). *Version 2:* 4-5 weeks (162-195 hours).
Exhibit Dates: *Version 1:* 7/70-Present. *Version 2:* 3/59-6/70.
Objectives: To provide airmen with skills and knowledge necessary to function as members of an aerospace evacuation team.
Instruction: *All Versions:* Lectures and practical exercises covering physiological education, aerospace nursing, preventive medicine, flying safety, and adminsitration. *Version 1:* Separate training in survival. *Version 2:* Separate training in aerospace medicine.
Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 4 semester hours in health science and 1 in administration/management (2/78). *Version 2:* In the lower-division baccalaureate/associate degree category, credit in health sciences on the basis of institutional evaluation (6/75).

AF-0709-0012

AEROMEDICAL TECHNICIAN

Course Number: *Version 1:* AAY90170; 5AAY90170. *Version 2:* AA90170.
Location: *All Versions:* School of Aerospace Medicine, Brooks AFB, TX. *Version 2:* School of Aviation Medicine, Gunter AFB, AL.
Length: *Version 1:* 8 weeks (289-300 hours). *Version 2:* 11 weeks (429 hours).
Exhibit Dates: *Version 1:* 5/68-12/74. *Version 2:* 5/55-4/68.
Objectives: To train aeromedical specialists or aeromedical evacuation specialists to assume supervisory duties in a flight surgeon's office or to perform air evacuation duties.
Instruction: Lectures and practical exercises in aeronautical sciences, aviation medicine, clinical dentistry, medicine and surgery, preventive medicine, nursing, and medical administration.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, credit in physician assisting or anatomy on the basis of institutional evaluation (2/74); in the upper-division baccalaureate category, 2 semester hours in first aid and hygiene (12/68).

AF-0709-0013

AIR RESCUE SPECIALIST MEDICAL

Course Number: AB92130B.
Location: School of Aviation Medicine, Gunter AFB, AL.
Length: 4 weeks (156 hours).
Exhibit Dates: 12/55-12/68.
Objectives: To train airmen in the fundamental techniques of emergency medical treatment.
Instruction: Lectures and practical training in air evacuation, aviation medicine, clinical dentistry, medical laboratory, medicine, nursing, preventive medicine, surgery, ophthalmology, and otorhinolaryngology.
Credit Recommendation: In the upper-division baccalaureate category, credit in first aid on the basis of institutional evaluation (2/74).

AF-0709-0014

1. PHARMACY SPECIALIST
2. PHARMACY SPECIALIST
3. PHARMACY SPECIALIST
4. PHARMACY SPECIALIST (Apprentice Pharmacy Specialist)

Course Number: *Version 1:* 3ABR90530. *Version 2:* 3ABR90530. *Version 3:* ABR90530-1. *Version 4:* ABR90530; AB90530.
Location: *Version 1:* School of Health Care Sciences, Sheppard AFB, TX. *Version 2:* Medical Service School, Sheppard AFB, TX. *Version 3:* Medical Service School, Sheppard AFB, TX. *Version 4:* School of Aviation Medicine, Gunter AFB, AL.
Length: *Version 1:* 12 weeks (360 hours). *Version 2:* 15 weeks (488 hours). *Version 3:* 12 weeks (360 hours). *Version 4:* 14-18 weeks (571-702 hours).
Exhibit Dates: *Version 1:* 7/73-12/73. *Version 2:* 1/71-6/73. *Version 3:* 7/67-12/70. *Version 4:* 8/55-6/67.
Objectives: To provide students with specialized training in the dispensing, compounding, and proper use of drugs.
Instruction: Lectures on anatomy and physiology; basic pharmacology mathematics; inorganic and organic chemistry; effects of drugs on human systems; practical exercises in the compounding and dispensing of drugs; and pharmacy maintenance and operation.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 15 semester hours in pharmacy, 3 in physiology and anatomy, 3 in nursing pharmacology, and additional credit in pharmacy on the basis of institutional evaluation (2/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in physiology and hygiene, 2 in pharmaceutical mathematics, 2 in pharmaceutical chemistry, 3 in pharmacology (12/68). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in pharmaceutical mathematics, 2 in pharmaceutical chemistry, 1 in

pharmacology (12/68). *Version 4:* In the upper-division baccalaureate category, 2 semester hours in pharmaceutical mathematics, 2 in pharmaceutical chemistry, 1 in pharmacology (12/68).

AF-0709-0015

1. Medical Service Specialist
2. Medical Service Specialist
3. Apprentice Medical Service Specialist

Course Number: *Version 1:* 3ABR90230. *Version 2:* ABR90230. *Version 3:* AB90230.

Location: *Version 1:* School of Health Care Sciences, Sheppard AFB, TX. *Version 2:* Medical Service School, Gunter AFB, AL; Medical Service School, Sheppard AFB, TX. *Version 3:* School of Aviation Medicine, Gunter AFB, AL.

Length: *Version 1:* 10-13 weeks (308-398 hours). *Version 2:* 9-10 weeks (351-360 hours). *Version 3:* 11-13 weeks (429-507 hours).

Exhibit Dates: *Version 1:* 6/69-12/73. *Version 2:* 5/62-5/69. *Version 3:* 3/54-4/62.

Objectives: To train airmen as professional assistants in medical and clinical patient care and treatment.

Instruction: First aid and disaster treatment; nursing fundamentals; medical and surgical nursing; obstetrical and pediatric nursing; outpatient and emergency services.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in nursing on the basis of institutional evaluation (2/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in physiology and hygiene (12/68). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in physiology and hygiene (12/68).

AF-0709-0016

1. Physiological Training Specialist
2. Physiological Training Specialist
3. Physiological Training Specialist (Apprentice Physiological Training Specialist)

Course Number: *All Versions:* ABY91130. *Version 1:* 5ABY91130. *Version 2:* 5ABY91130. *Version 3:* ABR90132; AB90130.

Location: *All Versions:* School of Aerospace Medicine, Brooks AFB, TX. *Version 3:* School of Aviation Medicine, Gunter AFB, AL.

Length: *Version 1:* 5 weeks (157 hours). *Version 2:* 5-6 weeks (196-236 hours). *Version 3:* 6-7 weeks (214-236 hours).

Exhibit Dates: *Version 1:* 5/75-Present. *Version 2:* 11/68-4/75. *Version 3:* 7/54-10/68.

Objectives: To train qualified airmen to assist supervisors in the operation of a physiological training unit.

Instruction: Lectures and practical experience in operation of physological training devices; inside observation during low pressure chamber flights; conduct of lectures, discussions, and demonstrations for flying personnel; and preparation and maintenance of records.

Credit Recommendation: *Version 2:* In the lower-division baccalaureate/associate degree category, credit in aviation physiology on the basis of institutional evaluation (2/74); in the upper-division baccalaureate category, 3 semester hours in aviation physiology (12/68). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in aviation physiology (12/68).

AF-0709-0017

Physiological Training Officer

Course Number: *All Versions:* OBY9161. *Version 1:* 5OBY9161.

Location: *Version 1:* School of Aerospace Medicine, Brooks AFB, TX. *Version 2:* School of Aviation Medicine, Gunter AFB, AL.

Length: *Version 1:* 6-7 weeks (235-315 hours). *Version 2:* 7 weeks (258-312 hours).

Exhibit Dates: *Version 1:* 7/68-10/78. *Version 2:* 9/54-6/68.

Objectives: To develop the skills and knowledge to assist supervisory physiological training personnel in operating a physiological training unit.

Instruction: *Version 1:* Lectures and practical experiences in altitude physiology, operation of training devices and instruments, instructional techniques, protective equipment and unit management. *Version 2:* Lectures in physics of the atmosphere and gases; general anatomy and medical terminology; the nervous system and special senses; respiration and circulation; biodynamics; hyperbaric physiology; additional lectures and practical exercises in clinical medicine; aircraft escape, accident prevention and investigation; and oxygen equipment.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 1 semester hour in operation of special instrumentation (2/78); in the upper-division baccalaureate category, 1 semester hour in administration/management, 2 in cardiopulmonary anatomy and physiology, and 1 in physiology of special senses (2/78). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in aviation physiology (2/74).

AF-0709-0018

Medical Aspects of Food Handling

Course Number: 3AZR90870-2.

Location: School of Aerospace Medicine, Brooks AFB, TX; School of Health Care Sciences, Sheppard AFB, TX.

Length: 2 weeks (60-64 hours).

Exhibit Dates: 9/72-Present.

Objectives: To train enlisted personnel in food handling and food service sanitation.

Instruction: Lectures and practical exercises in food microbiology, preservation, and facility sanitation; environmental hygiene; and pathology of food-borne diseases.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in food sanitation (2/78).

AF-0709-0019

Electroencephalographic Specialist

Course Number: AZR90237.

Location: Air Training Command, Lackland AFB, TX.

Length: 9 weeks (270 hours).

Exhibit Dates: 7/59-12/68.

Objectives: To provide airmen with the skills and knowledge required to perform as electroencephalographic specialists.

Instruction: Lectures on the principles of neurological anatomy, physiology, pathology, neuropsychiatric diseases and disorders, management of electroencephalographic equipment, and laboratory procedures; and clinical practice in all electroencephalographic duties.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in neurological anatomy, physiology, and pathology, additional credit in clinical practice for EEG specialist on the basis of institutional evaluation (2/74).

AF-0709-0020

Medical Records Management

Course Number: 3AZR90670-2.

Location: School of Health Care Sciences, Sheppard AFB, TX.

Length: 4 weeks (120 hours).

Exhibit Dates: 8/72-12/73.

Objectives: To train enlisted personnel to manage medical records for hospital registrar offices.

Instruction: Lectures and practical exercises in the management of hospital records. Course includes use of medical terminology; anatomy and physiology; clarification of diseases and operations; collection of statistical data and development of presentations from collected data for use by professional staff; release and use of medical records in legal proceedings; and completion and consistency of medical records.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-0709-0021

Orthopaedic Appliance Specialist

Course Number: ABY91332.

Location: Wilford Hall Hospital, Lackland AFB, TX.

Length: 50 weeks (1960 hours).

Exhibit Dates: 3/67-12/73.

Objectives: To train airmen as orthopedic appliance specialists.

Instruction: Lectures and practical exercises in the duties of orthopedic appliance specialists, including anatomy and physiology, arch supports, back braces, introduction to materials, application of plaster of Paris, lower and upper extremity appliances, leather technique, miscellaneous appliances, shop equipment, shoe modification, and patient relationships.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in anatomy and physiology, and credit in industrial arts on the basis of institutional evaluation (7/74).

AF-0709-0022

Physiological Training Supervisor

Course Number: *Version 1:* 5AAY91170. *All Versions:* AAY91170. *Version 2:* AA90172.

Location: *All Versions:* School of Aerospace Medicine, Brooks AFB, TX. *Version 2:* School of Aviation Medicine, Gunter AFB, AL.

Length: *Version 1:* 4 weeks (141-156 hours). *Version 2:* 6 weeks (224-234 hours).

Exhibit Dates: *Version 1:* 9/69-12/75. *Version 2:* 9/56-8/69.

Objectives: To train enlisted personnel to supervise physiological training.

Instruction: Lectures and practical exercises in the supervision of physiological training. Course includes a review of basic physiological principles; extensive indoctrination in the more advanced practices and procedures of aviation physiology; and new equipment used in coordinating the physiological training program.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in physiology on the basis of institutional evaluation (7/74); in the upper-division baccalaureate category, 3 semester hours in aviation physiology (12/68).

AF-0709-0023

Medical Service Technician

Course Number: *Version 1:* 3AZR90270-1. *Version 2:* AAR90270. *Version 3:* AA90270.

Location: *Version 1:* School of Health Care Sciences, Sheppard AFB, TX. *Version 2:* Medical Service School, Gunter AFB, AL. *Version 3:* School of Aviation Medicine, Gunter AFB, AL.

Length: *Version 1:* 13 weeks (390 hours). *Version 2:* 17 weeks (600-680 hours). *Version 3:* 19 weeks (741 hours).

Exhibit Dates: *Version 1:* 4/69-12/73. *Version 2:* 1/63-3/69. *Version 3:* 8/55-12/62.

Objectives: To train enlisted personnel to supervise medical treatment facilities.

Instruction: *All Versions:* Lectures and practical exercises in preventive medicine, medical administration, nursing principles, and psychiatric nursing. *Version 1:* Instruction includes personal, family, and community health; and care of mothers and newborn babies. *Version 2:* Instruction includes anatomy and physiology, medicine and surgery, disaster medicine, and surgical nursing.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in medical nursing, 6 in surgical nursing, 3 in maternal child care, 3 in community public health (7/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in elementary anatomy, 2 in elementary physiology, 1 in preventive medicine (12/68). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in elementary anatomy, 2 in elementary physiology, 1 in preventive medicine (12/68).

AF-0709-0024

1. Aeromedical Specialist
2. Aeromedical Specialist
3. Aeromedical Specialist
   (Apprentice Aeromedical Specialist)
4. Apprentice Aeromedical Specialist

Course Number: *Version 1:* 5ABY90130. *Version 2:* 5ABY90130; ABY90130. *Version 3:* ABY90130; AB90130. *Version 4:* AB90130.

Location: *Version 1:* School of Aerospace Medicine, Brooks AFB, TX. *Version 2:* School of Aerospace Medicine, Brooks AFB, TX. *Version 3:* School of Aerospace Medicine, Brooks AFB, TX. *Version 4:* School of Aviation Medicine, Gunter AFB, AL.

Length: *Version 1:* 7 weeks (272 hours). *Version 2:* 7-9 weeks (227-342 hours). *Version 3:* 7-9 weeks (265-351 hours). *Version 4:* 7-9 weeks (265-351 hours).

Exhibit Dates: *Version 1:* 10/77-Present. *Version 2:* 5/68-9/77. *Version 3:* 8/54-4/68. *Version 4:* 8/54-4/68.

Objectives: To train enlisted personnel to the semi-skilled level in the aerospace medicine career specialty.

Instruction: Lectures and practical exercises in aerospace medicine, including anatomy and physiology, aerospace personnel care and treatment, aerospace physiology, military public health and occupational medicine, and disaster casualty control.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 2 semester hours in anatomy and physiology, 1 in administration/management, 5 in first aid and hygiene, and 1 in audiometry (2/78). *Version 2:* In the lower-division baccalaureate/associate degree category, 2 semester hours in anatomy and physiology, 2 in first aid and hygiene, both on the basis of institutional evaluation (7/74); in the upper-division baccalaureate category, 2 semester hours in anatomy and physiology, 2 in first aid and hygiene, both on the basis of institutional evaluation (7/74). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in first aid and hygiene (12/68). *Version 4:* In the upper-division baccalaureate category, 2 semester hours in first aid and hygiene (12/68).

AF-0709-0026

Basic Pararescueman

Course Number: 92330.

Location: Aerospace Rescue and Recovery Service, Hill AFB, UT.

Length: 8 weeks (408 hours).

Exhibit Dates: 9/74-Present.

Objectives: To provide training in basic pararescue procedures.

Instruction: Training in recognition and treatment of a full range of medical emergency situations, including shock, chest injuries, occular injuries, spinal and head injuries, comas, gastric ulcers and poisons, burns, fractures, childbirth, wounds, and infections; jump training to include care and preparation of equipment, day jumps, night jump, scuba jump, and tree jump; and mountain rescue and ground operations to include mountaineering knots, rope management, rappeling, and mountain navigation.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in emergency medical technician (6/75).

AF-0799-0001

Global Medicine

Course Number: 5OZY9336.

Location: School of Aerospace Medicine, Brooks AFB, TX.

Length: 2 weeks (78 hours).

Exhibit Dates: 4/72-Present.

Objectives: To inform medical officers of significant disease problems of importance to military operations throughout the world.

Instruction: Lectures on certain diseases (particularly those not normally familiar to American physicians) and their epidemiology; disease management, treatment, and control measures; area studies; drug abuse; combat psychiatry; arthropod and rodent control; burn treatment; surgical care for missile wounds; nutrition and population; and preventive medicine.

Credit Recommendation: In the graduate degree category, 3 semester hours in public health epidemiology (2/78).

AF-0799-0002

Senior Hospital Administration

Course Number: Not available.

Location: School of Aviation Medicine, Gunter AFB, AL.

Length: 3 weeks (120 hours).

Exhibit Dates: 12/54-11/55.

Objectives: To provide medical corps officers with knowledge of trends, ideas, and materials instrumental in functional more effectively as hospital administrators.

Instruction: Lectures and practical exercises in aeromedical evacuation; organization and functions of dental services; problems and solutions of medical adminsitration; problems of medical surgery; preventive and industrial medicine; managerial efficiency methods.

Credit Recommendation: Credit is not recommended because of the professional nature of the course (6/75).

AF-0799-0004

1. Medical Administrative Specialist
2. Medical Administrative Specialist
3. Apprentice Medical Administrative Specialist

Course Number: *Version 1:* 3ABR90630. *Version 2:* ABR90630-1; ABR90630. *Version 3:* AB90630; AB90631.

Location: *Version 1:* Sheppard Technical Training Center, Sheppard AFB, TX. *Version 2:* Medical Service School, Sheppard AFB, TX. *Version 3:* School of Aviation Medicine, Gunter AFB, AL.

Length: *Version 1:* 9 weeks (308 hours). *Version 2:* 6 weeks (180-240 hours). *Version 3:* 7-9 weeks (273-351 hours).

Exhibit Dates: *Version 1:* 4/70-12/73. *Version 2:* 10/65-3/70. *Version 3:* 4/54-9/65.

Objectives: To train airmen in the fundamental duties of medical administrative specialists.

Instruction: Lectures and practical exercises in general administration; typing and formats; administrative control of patients and beds; and medical service fundamentals, including field casualty care and medical field exercises.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in office procedures (2/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in office procedures (2/74). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in office procedures (2/74).

AF-0799-0005

Basic Course in Medical Service Administration

(Basic Course in Medical Administration)

Course Number: OBR9021.

Location: Medical Service School, Gunter AFB, AL; School of Aviation Medicine, Gunter AFB, AL.

Length: 15 weeks (585-600 hours).

Exhibit Dates: 1/55-12/68.

Objectives: To train newly commissioned officers in medical services administration, including the operation of medical care facilities and the supervision of direct support activities.

Instruction: Lectures and practical exercises in management, material and food service, housekeeping, administrative assistance to specialized medical services, and patient care administration.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in medical administration (12/68).

AF-0799-0006

Survival Training and Personal Equipment Officer

Course Number: OZY9100.

Location: School of Aerospace Medicine, Brooks AFB, TX.

Length: 3 weeks (120 hours).

Exhibit Dates: 11/66-12/68.

Objectives: To train personal equipment officers in the basic principles of aerospace physiology and survival.

Instruction: Lectures in the basic principles of aerospace physiology and survival, including the human nervous, respiratory, and circulatory systems; hypoxia, hyperventilation, and hypoglycemia symptoms, effects, and treatment; nose, throat, and paranasal sinuses, flight induced problems and

treatment; in-flight sensory illusions, decompression sickness, and noise hazards; aircraft emergency escape procedures; and protective helmets, pressure suits, and oxygen equipment operation and maintenance.
Credit Recommendation: Credit is not recommended because of the limited technical nature of the course (2/74)

AF-0799-0007

COMPRESSION CHAMBER TEAM TRAINING

Course Number: 5OZY9300-7.
Location: School of Aerospace Medicine, Brooks AFB, TX.
Length: 2 weeks (76–78 hours).
Exhibit Dates: *Version 1:* 12/77–Present; 12/77–Present.
Objectives: To train a technical team to operate and maintain compression chambers, to act as observers during chamber operation, and to participate in the treatment of patients by compression therapy.
Instruction: *All Versions:* Lectures in hyperbaric physiology and clinical medicine; practical exercises in high-pressure chambers and unit administration. *Version 1:* Includes chamber operation and maintenance.
Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 1 semester hour in biological sciences, 1 in physical sciences, and 2 in operating special instrumentation (2/78). *Version 2:* In the lower-division baccalaureate/associate degree category, 2 semester hours in physical science (2/74); in the upper-division baccalaureate category, 2 semester hours in physical science (2/74).

AF-0802-0001

1. DISASTER PREPAREDNESS SPECIALIST (REMOTE DUTY)
   (Disaster Preparedness Specialist (Additional Duty))
   (Disaster Control Specialist)
2. DISASTER CONTROL SPECIALIST
   (Disaster Preparedness Specialist)
3. DISASTER CONTROL INSTRUCTOR
4. DISASTER CONTROL INSTRUCTOR

Course Number: *Version 1:* 3AZR24230. *Version 2:* AZR24230. *Version 3:* AZR46150. *Version 4:* AZR46150; SS46150-11.
Location: 3415th Technical School, Lowry AFB, CO.
Length: *Version 1:* 4–5 weeks (120–150 hours). *Version 2:* 8 weeks (240 hours). *Version 3:* 15 weeks (450 hours). *Version 4:* 6 weeks (180 hours).
Exhibit Dates: *Version 1:* 7/68–12/73. *Version 2:* 12/66–6/68. *Version 3:* 7/60–11/66. *Version 4:* 3/58–6/60.
Objectives: To train enlisted personnel to be disaster preparedness specialists and disaster control instructors.
Instruction: *All Versions:* Lectures and practical exercises in disaster preparedness and control operations, individual and collective protection, decontamination and monitoring procedures, and weapons effects. *Version 2:* Instruction includes radiological safety practices and procedures. *Version 3:* Instruction includes casualty and damage prevention, with emphasis on instructor training fundamentals and application. *Version 4:* Instruction includes a brief introduction to biological, chemical, and radiological defense, and instructor training in these areas.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in occupational health and safety on the basis of institutional evaluation (5/74). *Version 2:* In the upper-division baccalaureate category, credit in protective service on the basis of institutional evaluation (12/68). *Version 3:* In the upper-division baccalaureate category, credit in instructional methods, speech, and protective service on the basis of institutional evaluation (12/68). *Version 4:* In the upper-division baccalaureate category, credit in instructional methods and protective service on the basis of institutional evaluation (12/68).

AF-0802-0002

1. DISASTER PREPAREDNESS SPECIALIST
2. DISASTER CONTROL SPECIALIST
   (Disaster Preparedness Specialist)
3. DISASTER CONTROL SPECIALIST

Course Number: *Version 1:* 3ALR24230. *Version 2:* 3ALR24230; ALR24230. *Version 3:* ALR24230.
Location: 3415th Technical School, Lowry AFB, CO.
Length: *Version 1:* 6 weeks (192–198 hours). *Version 2:* 10 weeks (300 hours). *Version 3:* 17 weeks (510 hours).
Exhibit Dates: *Version 1:* 10/70–12/73. *Version 2:* 12/66–9/70. *Version 3:* 1/63–11/66.
Objectives: To train enlisted personnel in aspects of disaster preparedness and control.
Instruction: *All Versions:* Lectures and practical exercises in disaster preparedness, effects of nuclear and nonnuclear weapons and dangerous materials, decontamination and monitoring, and individual and collective protection. *Version 2:* Includes instruction in the conducting of formal classes in disaster preparedness or control, and in the development of training aids for these classes. *Version 3:* Includes instruction in the conducting of formal classes in disaster preparedness or control, and in the development of training aids for these classes.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in occupational health and safety on the basis of institutional evaluation (5/74). *Version 2:* In the upper-division baccalaureate category, credit in instructional methods and protective service on the basis of institutional evaluation (12/68). *Version 3:* In the upper-division baccalaureate category, credit in instructional methods, speech, and protective service on the basis of institutional evaluation (12/68).

AF-0802-0003

DISASTER PREPAREDNESS

Course Number: 3OLR0511-1; 3ALR24230-1.
Location: School of Applied Aerospace Sciences, Lowry AFB, CO.
Length: 9 weeks (270 hours).
Exhibit Dates: 8/73–12/73.
Objectives: To train enlisted personnel and civilians in all aspects of disaster preparedness.
Instruction: Lectures and practical exercises in disaster preparedness, including effects of nuclear and nonnuclear weapons, USAF technical order and supply systems, first aid for chemical agent casualties, NBC detection equipment and associated maintenance, monitoring techniques and procedures, decontamination techniques, and operational management of overall disaster preparedness activities and shelter management program.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (5/74).

AF-0802-0004

PASSIVE DEFENSE INSTRUCTOR

Course Number: XX46132; AL46172.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 6–7 weeks (180–210 hours).
Exhibit Dates: 4/55–12/68.
Objectives: To train airmen in defense measures against possible chemical, biological, and radiological warfare.
Instruction: Lectures and practical exercises in defense measures against possible chemical, biological, and radiological warfare, including detection and classification of chemical agents, first aid, outline of basic nuclear physics, radioactive emissions, radiation effects, dosage, monitoring, and biological defense.
Credit Recommendation: In the upper-division baccalaureate category, credit in instructional methods and protective service occupations on the basis of institutional evaluation (12/68).

AF-0802-0005

MUNITIONS MAINTENANCE SPECIALIST RETRAINEE

Course Number: 3AZR46150.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 8 weeks (240 hours).
Exhibit Dates: 10/68–12/73.
Objectives: To train personnel to perform as munitions maintenance specialists.
Instruction: Lectures and practical exercises in munitions maintenance, including aerospace munitions administrative functions; handling and transportation of munitions; munitions supply; storage, maintenance, assembly, and inspection of munitions; munitions maintenance specialist performance; and performance of all munitions maintenance duties in an operational environment.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (6/74).

AF-0802-0006

CONVENTIONAL MUNITIONS QUALITY ASSURANCE

Course Number: 3AZR46170.
Location: School of Applied Aerospace Sciences, Lowry AFB, CO; 3415th Technical School, Lowry AFB, CO.
Length: 2 weeks (60–72 hours).
Exhibit Dates: 7/71–12/73.
Objectives: To train enlisted personnel to supervise conventional munitions quality assurance.
Instruction: Lectures and practical exercises in conventional munitions quality assurance. Course includes reporting techniques, characteristics and uses of nonnuclear munitions, organizational responsibilities, pertinent publications, record analysis, transportation of nonnuclear munitions, inspection and test procedures, explosives area survey procedures, planning procedures for conventional munitions, maintenance and tools, and a quality assurance exercise.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (6/74).

AF-0802-0007

MISSILE SAFETY TECHNICIAN

Course Number: ATS24170-2.
Location: 3345th Technical School, Chanute AFB, IL.

Length: 15 weeks (450 hours).
Exhibit Dates: 6/62-12/68.
Objectives: To train enlisted personnel to perform missile safety surveillance duties at ballistic missile sites.
Instruction: Lectures and practical exercises in missile safety surveillance at ballistic missile sites, including basic mathematics, physics, fluid mechanics, electricity, chemistry, construction practices applicable to construction and operation of missile facilities, propulsion systems principles, industrial safety, industrial hygiene and human factors, and safety management.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in industrial safety management (12/68).

AF-0802-0008

Ballistic Missile Safety

Course Number: AZR24130B.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 4 weeks (120 hours).
Exhibit Dates: 2/63-12/68.
Objectives: To train enlisted personnel as ballistic missile safety surveillance technicians.
Instruction: Lectures and practical exercises in ballistic missile safety surveillance. Topics include missile terminology, missile structures, constructional features, safety associated with missile maintenance and aerospace ground equipment, monitoring of hazardous missile operations, and nuclear safety familiarization.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in safety management (6/74).

AF-0802-0009

Air Launched Missile Safety Officer

Course Number: 3OZR1945; OZR1945.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 3 weeks (78-90 hours).
Exhibit Dates: 6/66-9/68.
Objectives: To train officers as air launch missile safety officers.
Instruction: Lectures and practical exercises in missile safety, including fundamentals; environmental, explosives, and nuclear safety; aircraft and missile loading hazards; aircraft and missile accident investigation, surveys and survey guides and board proceedings; and safety applications.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in safety education (12/68).

AF-0802-0010

Air Launched Missile Safety
Officer/Technician

Course Number: 3OZR1945-4.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 3 weeks (102 hours).
Exhibit Dates: 1/71-12/73.
Objectives: To train personnel as missile safety officers or technicians in air-launched missile units.
Instruction: Lectures and practical exercises in missile safety, including operational base safety survey; air-launched missiles accident prevention program and management; human factors; missile mishap reports; air-launched missile systems and environmental hazards; missile components, performance, and capabilities, and hazards associated with ground support equipment, transportation, assembly, check-out, loading, storage, and simulators; and electrical and radiation safety.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (7/74).

AF-0802-0011

Air Launched Missile Safety
Technician

Course Number: AAR24170-1.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 1-3 weeks (90 hours).
Exhibit Dates: 7/66-12/68.
Objectives: To train enlisted personnel to be air launch missile safety technicians.
Instruction: Lectures and practical exercises in missile safety, including human engineering, first aid, missile explosive hazards, aircraft loading hazards, safety management and supervision, physiology, missile fundamentals, environmental safety, and aircraft and missile accident prevention.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in safety management (12/68).

AF-0802-0012

Air Launched Defense Missile Safety
Officer

Course Number: 3OZR1945-1.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 3 weeks (90 hours).
Exhibit Dates: 10/68-12/73.
Objectives: To train officers to be missile safety officers.
Instruction: Lectures and practical exercises in missile safety, including human factors, introduction to missile systems, environment and nuclear hazards, missile accident prevention, human engineering, and equipment and training aids.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (7/74).

AF-0802-0013

Air Launched Strategic Missile
Safety Officer

Course Number: 3OZR1945-2.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 2-3 weeks (90 hours).
Exhibit Dates: 10/68-12/73.
Objectives: To train officers as missile safety officers.
Instruction: Lectures and practical exercises in air-launched missile safety, including missile explosive hazards, human engineering, fire protection, equipment and training aids, accident prevention, missile accident reporting and investigation, and environmental hazards.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (7/74).

AF-0802-0014

Air Launched Tactical Missile Safety
Officer

Course Number: 3OZR1945-3.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 3 weeks (90 hours).
Exhibit Dates: 10/68-12/73.
Objectives: To train officers as tactical missile safety officers.
Instruction: Lectures and practical exercises in air-launched tactical missile safety, including environmental hazards, human engineering, missile explosive hazards, and laser safety.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (7/74).

AF-0802-0015

Petroleum Tank Cleaning Supervisor

Course Number: AXS54670W-1.
Location: 3320th Technical School, Amarillo AFB, TX.
Length: 3 weeks (90 hours).
Exhibit Dates: 8/61-12/68.
Objectives: To train enlisted personnel to supervise petroleum tank cleaning operations.
Instruction: Lectures and practical exercises in the supervision of petroleum tank cleaning operations. Course includes securing clearance prior to cleaning tanks, tank construction and design features, cleaning techniques, and safety procedures.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-0802-0016

1. General Safety Specialist
2. General Safety Specialist
(Ground Safety Specialist)

Course Number: *Version 1:* 3ALR24130-1. *Version 2:* ALR24130; ALR24130A.
Location: *Version 1:* 3415th Technical School, Lowry AFB, CO. *Version 2:* 3345th Technical School, Chanute AFB, IL.
Length: *Version 1:* 7 weeks (228 hours). *Version 2:* 8-10 weeks (258-300 hours).
Exhibit Dates: *Version 1:* 5/68-12/73. *Version 2:* 12/62-4/68.
Objectives: To train Air Force personnel to conduct installation safety programs.
Instruction: Course covers safety education, communication, and human factors; high pressure and explosive safety; industrial hygiene and safety; traffic and off-duty safety; and accident investigation and reporting.
Credit Recommendation: *Version 1:* See explanatory note at the beginning of the Air Force section. *Version 2:* In the upper-division baccalaureate category, 3 semester hours in industrial safety (12/68).

AF-0802-0017

Passive Defense Officer
(Disaster Preparedness Officer)
(Disaster Control Officer)

Course Number: 3OLR0511; OZR0105-2; OZR1435-2; OL3294; SS1435-2.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 4-6 weeks (120-180 hours).
Exhibit Dates: 1/54-12/73.
Objectives: To train commissioned officers and civilians to perform duties as disaster control officers
Instruction: Lectures and practical exercises in disaster control fundamentals; effects of chemical, biological, and nuclear weapons; protection, exposure control, and protection equipment; decontamination; and disaster control operations to include weapons accidents, domestic emergencies, and war operations.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (7/74).

AF-0802-0018

SURVIVAL INSTRUCTOR TRAINING

Course Number: *Version 1:* S-V81-A. *Version 2:* 140001.

Location: *Version 1:* Air Training Command, Fairchild AFB, WA. *Version 2:* Air Training Command, Stead AFB, NV.

Length: *Version 1:* 24 weeks (613–628 hours). *Version 2:* 21 weeks (624 hours).

Exhibit Dates: *Version 1:* 6/67–Present. *Version 2:* 6/65–5/67.

Objectives: To qualify selected airmen as instructors in the techniques and procedures of global survival and as rescue and survival specialists.

Instruction: Lectures and practical exercises in the principles and techniques of survival; anatomy, physiology, first aid; global geography; evasion, resistance, and escape; and survival teaching methods.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in instructional methods, 3 in survival techniques including woodcraft and camp training, winter survival, and recreation (7/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in instructional methods, 3 in survival techniques including woodcraft and camp training, winter survival and recreation (7/74).

AF-0802-0019

SAFETY SUPERVISOR

Course Number: *Version 1:* 3ABR24170-2. *Version 2:* AAR21470.

Location: *Version 1:* 3415th Technical School, Lowry AFB, CO. *Version 2:* 3345th Technical School, Chanute AFB, IL.

Length: 3 weeks (90 hours).

Exhibit Dates: *Version 1:* 5/68–12/73. *Version 2:* 4/66–4/68.

Objectives: To provide personnel with knowledge and skills sufficient to become safety supervisors.

Instruction: Lectures and practical exercises in the philosophy of accident prevention, safety reference materials, human factors in accidents, safety surveys, and creating and maintaining interest in safety.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (7/74).

AF-0802-0020

1. SURVIVAL TRAINING AND PROTECTIVE EQUIPMENT OFFICER
2. SURVIVAL TRAINING AND PROTECTIVE EQUIPMENT OFFICER
   (Personal Equipment and Survival Training)
   (Survival Training and Equipment Officer)

Course Number: *Version 1:* 3OZR1435J; 3OZR1545F; 3OZR1515J. *Version 2:* OZR1515A; OZR1514A; ODS10420-1; SS10420.

Location: 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 3 weeks (96 hours). *Version 2:* 4 weeks (108–120 hours).

Exhibit Dates: *Version 1:* 2/68–12/73. *Version 2:* 7/58–1/68.

Objectives: To provide training and preparation for officers in survival training and equipment protection.

Instruction: Lectures and practical exercises in life preservers, life rafts, survival kits, anti-exposure clothing and special purpose clothing, physiology of flight and oxygen equipment, protective and survival equipment, and survival procedures such as campsite location, food preparation, water sources and purification, and first aid.

Credit Recommendation: Credit is not recommended because of the specialized nature of the course (7/74).

AF-0802-0021

AIR FORCE WEAPONS ACCIDENT PREVENTION AND MANAGEMENT

Course Number: 3OZR4625X.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 4 weeks (102 hours).

Exhibit Dates: 7/72–12/73.

Objectives: To train personnel as safety officers.

Instruction: Lectures and practical exercises in accident prevention programs and management, human factors in accident prevention, development and coordination of standard operating procedures; missiles, explosives and nuclear safety; mishap investigation and safety inspection.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-0802-0022

ARCTIC SURVIVAL TRAINING

Course Number: S-V87-A.

Location: Air Training Command, Eielson AFB, AK.

Length: 1 weeks (63 hours).

Exhibit Dates: 9/72–Present.

Objectives: To train aircrews in survival and rescue techniques under arctic conditions.

Instruction: Lectures and practical exercises in arctic survival procedures including arctic clothing, cold environment hazards, shelter, food and water procurement, recovery and vector techniques, and arctic fieldcraft techniques.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (7/74).

AF-0802-0023

NUCLEAR EMERGENCY TEAM/NUCLEAR EMERGENCY TEAM OPERATIONS (NET/NETOPS)

Course Number: 3AZR24250-2.

Location: Interservice Nuclear Weapons School, Kirtland AFB, NM.

Length: 3 weeks (93 hours).

Exhibit Dates: 4/73–Present.

Objectives: To train personnel to serve as members of nuclear emergency teams.

Instruction: Lectures and practical exercises in radiation hazards and effects, basic nuclear physics and mathematics, nuclear devices, explosive hazards, nuclear reactors, biological effects, nuclear weapon firefighting, radiation detection, dosimetry, survey instruments, monitoring equipment, and decontamination.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-0802-0024

EXPLOSIVES SAFETY OFFICER/SPECIALIST
(Explosives Safety Officer)
(Explosives Safety Training)

Course Number: 3OZR1965-1; 3OZR1965; OZR1935.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 3 weeks (90 hours).

Exhibit Dates: 9/65–12/73.

Objectives: To train selected personnel to perform explosive safety duties.

Instruction: Lectures and practical exercises in identification and use of aerospace munitions; explosive safety standards and requirements; disposal of aerospace munitions; investigating and reporting accidents and incidents; safety education programs; safety in installation planning; and safety surveys and programs.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-0803-0001

COMBATIVE MEASURES INSTRUCTOR TRAINING

Course Number: 140004.

Location: Air Training Command, Fairchild AFB, WA.

Length: 5 weeks (160 hours).

Exhibit Dates: 11/67–12/68.

Objectives: To train officers and airmen as instructors of judo and hand-to-hand combat.

Instruction: Lectures and practical exercises in the duties of instructors of judo and hand-to-hand combat, including learning principles, evaluation, audio-visual aids, lecture and demonstration procedures, basic judo techniques, and air police and air crew self-defense techniques.

Credit Recommendation: In the upper-division baccalaureate category, credit in instructional methods on the basis of institutional evaluation (12/68).

AF-0803-0002

BASIC PARARESCUE TRAINING

Course Number: 923X0-2; 923X0-3.

Location: Aerospace Rescue and Recovery Service, Hill AFB, UT.

Length: 8 weeks (315 hours).

Exhibit Dates: 7/71–Present.

Objectives: To qualify personnel in basic parachuting.

Instruction: Lectures and practical exercises in equipment familiarization, physical training, swimming, elementary medical training, mountain training, familiarization jumps, and day and night jumps with equipment.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-0803-0003

SURVIVAL TRAINING
(Survival Training (SEA))
(Advanced Survival Training)
(USAF Combat Survival Training)

Course Number: S-V80-A; S-V85-A; 140000.

Location: Air Training Command, Fairchild AFB, WA; Air Training Command, Stead AFB, NV.

Length: 2–4 weeks (94–216 hours).

Exhibit Dates: 2/55–Present.

Objectives: To prepare selected flying personnel in the principles, procedures, and equipment necessary to survive in any climate.

Instruction: Lectures and practical exercises in survival principles and procedures; recovery and evasion; code of conduct; survival factors; psychological aspects of survival; special problems; medicine and hygiene; parachuting principles and practice; maps; and food procurement.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester

hours in camp training and survival techniques (10/77).

AF-0902-0001

Executive Hospital Housekeeper

Course Number: 3AZR90670.
Location: Medical Service School, Sheppard AFB, TX.
Length: 3 weeks (90 hours).
Exhibit Dates: 8/68-12/73.
Objectives: To train enlisted personnel in the supervision of housekeeping personnel in medical treatment facilities.
Instruction: Lectures in organization and management of housekeeping services, maintenance, sanitation, and safety.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in industrial hygiene (12/68).

AF-1104-0001

Staff Aircraft Performance Engineer

Course Number: 432406.
Location: Air Training Command, Mather AFB, CA.
Length: 22 weeks (680 hours).
Exhibit Dates: 6/56-12/68.
Objectives: To train officers as staff aircraft performance engineers for tactical jet organizations.
Instruction: Lectures and practical exercises in aircraft performance engineering, including applied mathematics (algebra, trigonometric functions, quadratic and linear equations, logarithms, limits, geometry, and basic calculus), aerodynamics and related physical properties, turbojet engines and principles of jet propulsion, engine controls and instruments, flight limits, aircraft performance characteristics (take-off, climb, range, endurance, descent, and approach and landing), refueling, and mission planning.
Credit Recommendation: In the upper-division baccalaureate category, credit in aerodynamics theory, calculus, and fluid dynamics on the basis of institutional evaluation (12/68).

AF-1107-0001

Staff Aircraft Performance Officer

Course Number: 158400.
Location: Air Training Command, Mather AFB, CA.
Length: 19-28 weeks (552 hours).
Exhibit Dates: 1/59-12/68.
Objectives: To train personnel to administer operational performance programs for B-47, B-52, and KC-135 aircraft.
Instruction: Lectures and practical exercises on the functions of staff aircraft performance officers, including algebraic fundamentals; logarithms and trigonometry; differential and integral calculus; aerodynamic fundamentals, mission planning; airplane performance; turbojet engines and flight limits; take-off, approach, and landing; climb and descent; and range and endurance.
Credit Recommendation: In the upper-division baccalaureate category, credit in aerodynamics theory, calculus, and fluid dynamics on the basis of institutional evaluation (12/68).

AF-1113-0001

Ground C-E-M Maintenance Analysis Technician

Course Number: ALR30950.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 4 weeks (120 hours).
Exhibit Dates: 6/67-12/73.
Objectives: To train maintenance personnel as ground C-E-M maintenance analysis technicians.
Instruction: Lectures and practical exercises in ground C-E-M maintenance analysis, including analysis, interpretation, and summary of data from data collection systems, monitoring and direction of analysis activities, identification of areas for development; charts, tables, graphs, and related visual media for presentation of analysis results, summary preparation, presentation of results, determination of effectiveness and efficiency, and analysis of status and configuration management system reports.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in statistical analysis (12/68).

AF-1115-0001

1. Maintenance Analysis Specialist
2. Maintenance Analysis Specialist (Aircraft and Missile Maintenance Analysis Specialist)

Course Number: *Version 1:* 3ABR39130. *Version 2:* 3ABR43430; ABR43430; ALR43430.
Location: 3345th Technical School, Chanute AFB, IL.
Length: *Version 1:* 11 weeks (330 hours). *Version 2:* 7-13 weeks (228-360 hours).
Exhibit Dates: *Version 1:* 7/70-12/73. *Version 2:* 2/61-6/70.
Objectives: To train enlisted personnel in basic statistical analysis and its application to aerospace weapons systems and motor transportation.
Instruction: Lectures and practical demonstrations in basic statistical analysis and maintenance analysis, including frequency distribution, dispersion, points and curves, control charts, maintenance documentation, data systems, management concepts, graphic presentations, and data processing for maintenance reporting.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in introductory statistics (2/74). *Version 2:* In the upper-division baccalaureate category, 4 semester hours in statistical analysis (12/68).

AF-1115-0002

Reliability

Course Number: 435.
Location: School of Systems and Logistics, Wright-Patterson AFB, OH.
Length: 3 weeks (96 hours).
Exhibit Dates: 1/69-6/74.
Objectives: To provide officers and civilian personnel with an understanding of the theory of reliability, and the skills to employ the techniques of reliability in solving problems and carrying out reliability programs.
Instruction: Lectures and practical exercises in the study of statistical distributions; reliability allocation and distribution techniques; test plans, O.C. curves, and the use of Mil Standards; data analysis; construction and interpretation of confidence intervals; applications of mathematical models; and reliability program management.
Credit Recommendation: In the upper-division baccalaureate category, 5 semester hours in quality control or applied statistics (2/74).

AF-1115-0003

Reliability/Maintainability

Course Number: 3OZR2895G.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 3 weeks (90 hours).
Exhibit Dates: 3/68-12/73.
Objectives: To train enlisted personnel in developing, monitoring, and contracting reliability and maintainability of systems and subsystems from drawing board to operation.
Instruction: Lectures in basic statistics, probability functions, nonparametric estimation, mathematical estimation of parameters, stress/strength analysis, and reliability maintainability management.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in applied statistics (2/74).

AF-1115-0004

1. Advanced Quantitative Methods in Cost Analysis
2. Advanced Quantitative Methods in Cost Analysis
3. Quantitative Methods in Cost Analysis

Course Number: 189.
Location: School of Systems and Logistics, Wright-Patterson AFB, OH.
Length: *Version 1:* 4 weeks (111 hours). *Version 2:* 4 weeks (105 hours). *Version 3:* 9 weeks (200 hours).
Exhibit Dates: *Version 1:* 4/73-6/74. *Version 2:* 1/72-3/73. *Version 3:* 1/69-12/71.
Objectives: Advanced training in nonlinear and multivariate regression analysis for officers and civilian personnel having six semester hours in college-level algebra and statistics and some experience in cost analysis.
Instruction: Lectures in advanced nonlinear and multivariate regression analysis, including quadratic equations, logarithms, matrix inversions, linear and curvilinear regression, and net scatter diagrams.
Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 2 semester hours in advanced quantitative methods (2/74); in the upper-division baccalaureate category, 2 semester hours in advanced quantitative methods (2/74). *Version 2:* In the lower-division baccalaureate/associate degree category, 3 semester hours in advanced quantitative methods (2/74); in the upper-division baccalaureate category, 3 semester hours in business statistics or economic statistics, and credit in mathematics on the basis of institutional evaluation (12/68). *Version 3:* In the lower-division baccalaureate/associate degree category, 3 semester hours in advanced quantitative methods (2/74); in the upper-division baccalaureate category, 3 semester hours in business statistics or economic statistics (12/68).

AF-1115-0005

Basic Quantitative Methods in Cost Analysis

Course Number: 188.
Location: School of Systems and Logistics, Wright-Patterson AFB, OH.
Length: 3 weeks (105 hours).
Exhibit Dates: 1/72-6/74.
Objectives: To provide officers with a basic understanding of the quantitative tools and techniques employed in cost estimating and analysis.
Instruction: Lectures and applications in algebraic operations, elementary statistical

methods, probability, curve and sample theory, interval estimates, linear equations and regression, and variance analysis.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in basic statistics (2/74); in the upper-division baccalaureate category, credit in basic statistics on the basis of institutional evaluation (12/68).

AF-1115-0006

1. Data Services Specialist
2. Statistical Specialist
3. Statistical Specialist

Course Number: *Version 1:* ABR68130. *Version 2:* ABR68130; AB68130. *Version 3:* ABR68130; AB68130.

Location: *Version 1:* 3750th Technical School, Sheppard AFB, TX. *Version 2:* 3750th Technical School, Sheppard AFB, TX. *Version 3:* 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 9 weeks (240 hours). *Version 2:* 10–13 weeks (240–360 hours). *Version 3:* 10–13 weeks (240–360 hours).

Exhibit Dates: *Version 1:* 10/63–12/68. *Version 2:* 1/48–9/63. *Version 3:* 1/48–9/63.

Objectives: To train personnel in the functions and techniques of data services.

Instruction: Lectures and practical exercises in administrative procedures, Air Force reports management systems, functional area concepts and reports, punched card accounting machines and data processing familiarization, and data services case problems.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in statistical methods (12/68).

AF-1115-0007

Management Engineering Officer

Course Number: *Version 1:* 3OBR7461. *Version 2:* OBR7431.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 10 weeks (300 hours).

Exhibit Dates: *Version 1:* 5/68–12/73. *Version 2:* 4/64–4/68.

Objectives: To train officers as management engineering officers.

Instruction: Lectures and practical exercises in the development and application of manning standards. Course includes methods, techniques, and procedures used in attaining objectives of the management engineering program; operations analysis, linear programming, engineering theory, performance rating, time study, work sampling, operational audit, and allowance computation; linear, multiple linear, and curvilinear correlation and regression analysis; and manpower allocation systems.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in statistics, 3 in quantitative methods (8/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in statistics, 3 in business organization and management (12/68).

AF-1205-0001

Bandsman Supervisor

Course Number: AAX76170.

Location: Bandsman School, Bolling AFB, Washington, DC.

Length: 47–52 weeks (936 hours).

Exhibit Dates: 6/58–12/64.

Objectives: To provide airmen with advanced training in band conducting.

Instruction: Practical exercises in advanced conducting; major and secondary instrumentation; music theory; solfeggio; arranging and analysis; glee club, concert, marching, and dance band performance and conducting; public speaking; administration and management; and leadership.

Credit Recommendation: In the upper-division baccalaureate category, credit in band supervision on the basis of institutional evaluation (12/68).

AF-1303-0001

Space Systems Analyst

Course Number: 3OBR2021.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 7–8 weeks (216–246 hours).

Exhibit Dates: 5/68–12/73.

Objectives: To provide commissioned officers with training in satellite motion, orbital analysis, data acquisition, and basic tracking concepts.

Instruction: Lectures and practical exercises in the analysis of satellite motion and orbits, and in data acquisition and basic tracking concepts. Course includes radar theory and analysis of satellite motion and orbital determination and upper-level college mathematics through numerical analysis and differential equations.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in applied physics, 2 in mathematical analysis (6/74).

AF-1304-0001

Weather Observer

Course Number: 3ABR25231; AB25231; AB25230.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL.

Length: 15–22 weeks (426–570 hours).

Exhibit Dates: 4/55–12/73.

Objectives: To train airmen to perform as weather observers.

Instruction: Lectures and practical exercises in weather observation, including introduction to meteorology; observing, recording, and encoding weather elements; plotting weather maps, charts, and diagrams; care and operation of weather instruments; electronic weather equipment; weather radar; data evaluation; noninstrumental observation; and operation of standard weather communications equipment.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in meteorology (12/68).

AF-1304-0002

Weather Forecaster
(Weather Technician)
(Weather Forecaster Technician)

Course Number: 3ALR25330; ALR25330; AL25330.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 32–44 weeks (960–1320 hours).

Exhibit Dates: 3/56–12/73.

Objectives: To train weather observers and airborne weather operators in meteorological theory and forecasting procedures.

Instruction: Lectures and practical exercises in meteorological theory and forecasting procedures, including climatology, mathematics and physics, weather data analysis, synoptic meteorology, operational weather, advanced weather analysis, and weather equipment and facilities.

Credit Recommendation: In the upper-division baccalaureate category, 17 semester hours in meteorology (12/68).

AF-1304-0003

Ground Weather Observing Procedures

Course Number: XX25251-1A.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 8 weeks (240 hours).

Exhibit Dates: 2/58–12/68.

Objectives: To train personnel in observing, recording, and encoding weather phenomena and in plotting weather maps and charts.

Instruction: Lectures and practical exercises in ground weather observation procedures, including surface weather observations; observing, recording, and encoding cloud forms, states of the sky, and obscuring phenomena; observing, recording, and encoding visibility, present weather, and obstructions to vision; determination of temperature, humidity, and pressure data; surface observation equipment; and plotting weather maps and charts, constant pressure, winds aloft, and thermodynamic diagrams.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in meteorology (12/68).

AF-1304-0004

Rawinsonde Procedures

Course Number: XX25251-1B.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 4 weeks (120 hours).

Exhibit Dates: 2/58–12/68.

Objectives: To train qualified weather observers, operators, or operator technicians in rawinsonde procedures.

Instruction: Lectures and practical exercises in rawinsonde procedures, including design, theory, and functions of rawinsonde equipment; operation and preventive maintenance of rawinsonde ground equipment; rawinsonde preflight procedures; hydrogen generation; recorder record evaluation; selection of significant levels on the recorder record; radiosonde charts; coding rawinsonde data; winds-aloft computation and encoding; and evaluation of complete rawinsonde observations.

Credit Recommendation: In the upper-division baccalaureate category, credit in meteorology on the basis of institutional evaluation (12/68).

AF-1304-0005

Rawinsonde Operation

Course Number: 3AZR25251-1; AZR25251-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 12 weeks (360 hours).

Exhibit Dates: 1/60–12/73.

Objectives: To train weather observers in rawinsonde operation and observations.

Instruction: Lectures and practical exercises in rawinsonde operation and observations, including rawinsonde equipment, recorder and record evaluation, radiosonde charts and codes, winds-aloft observations and calculations, and upper-air observation.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in meteorology (12/68).

AF-1304-0006

Staff Meteorologist

Course Number: 3OZR2516-1.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL.

Length: 5 weeks (150 hours).

Exhibit Dates: 8/72-12/73.

Objectives: To train officers who have technical skills and more than one year of field experience to perform as commanders and staff meteorologists at air weather service detachments.

Instruction: Lectures and practical exercises in the duties of commanders and staff meteorologists, including management and budget, personnel training, administration, collection of environmental information, use of weather central forecasting products, armed forces communications, use of data from weather reconnaissance and satellite programs, and environmental research and development.

Credit Recommendation: In the upper-division baccalaureate category, credit in management or meteorology on the basis of institutional evaluation (5/74).

AF-1304-0007

1. Weather Superintendent
2. Weather Forecaster Superintendent (Weather Forecasting Superintendent)

Course Number: *All Versions:* AAR25390. *Version 2:* AA25300; AA25200.

Location: 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 10 weeks (300 hours). *Version 2:* 32-37 weeks (960-1110 hours).

Exhibit Dates: *Version 1:* 3/61-12/68. *Version 2:* 1/54-2/61.

Objectives: To train weather forecasters and meteorological technicians to supervise the operation and technical activities of a weather station and to prepare and issue weather forecasts.

Instruction: *All Versions:* Lectures and practical exercises in meteorology and management, or in meteorology, management, mathematics, and physics necessary for weather station operation and forecasting, including radar familiarization, general meteorology, leadership, and weather variables analysis. *Version 2:* Includes mathematics, algebra review, trigonometry, analytical geometry and advanced calculus, measurement, weather chart analysis, oceanography, statistics, physical meteorology, and physics.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in advanced weather forecasting techniques on the basis of institutional evaluation (12/68). *Version 2:* In the upper-division baccalaureate category, credit in advanced weather forecasting techniques on the basis of institutional evaluation (12/68).

AF-1304-0008

Weather Observer Technician

Course Number: 3AAR25271; AA25271; AAR25271.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 16-25 weeks (480-750 hours).

Exhibit Dates: 4/58-12/73.

Objectives: To provide weather observer technicians with advanced training in weather observation.

Instruction: Lectures and practical experience in elementary mathematics, general meteorology and map analysis, operation and supervision of surface observing activities, electronic observations and equipment, office procedures, upper-air observations, management for the observer technician, communications skills, data dissemination and chart preparation, supply and maintenance forms and administrative procedures.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in meteorology, 3 in business organization and management (12/68).

AF-1304-0009

Advanced Meteorological Applications

Course Number: 3OZR2524-4.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL.

Length: 4 weeks (120 hours).

Exhibit Dates: 11/72-12/73.

Objectives: To train personnel to perform as detachment forecasters.

Instruction: Lectures and practical exercises in advanced meteorological applications, including development of forecast methods, use of computer weather products, findings from environmental research projects, special forecasts for allied agencies, the latest developments in highly specialized meteorological programs, meteorological physics, air-sea interaction, environmental meteorology, and severe-weather applications.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in meteorology or general science (5/74).

AF-1304-0010

Tropical Weather Analysis and Forecasting (Modern Weather Techniques)

Course Number: 3OZR2524-2; OZR2524-2; OZR2524; XY2524.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 6-7 weeks (150-210 hours).

Exhibit Dates: 1/54-12/73.

Objectives: To train Air Force weather forecasters in tropical weather analysis and forecasting.

Instruction: Lectures and practical exercises in tropical weather analysis and forecasting, including identification and analysis of tropical weather directly from the wind field; development of tropical forecasting techniques; applicable streamline-isotach techniques of direct kinematic analysis; application of theoretical, climatological and empirical analytic methods; basic principles of tropical weather analysis; climatology of the tropics; characteristics of fluid motion; and satellite data interpretation. Course prior to 1967 was not limited to tropical meteorology.

Credit Recommendation: In the upper-division baccalaureate category, credit in advanced weather forecasting techniques on the basis of institutional evaluation (12/68).

AF-1304-0011

Space Object Identification Analyst

Course Number: 3OZR2025B.

Location: *Version 1:* School of Applied Aerospace Sciences, Keesler AFB, MS. *Version 2:* 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 5 weeks (150-160 hours). *Version 2:* 7 weeks (210 hours).

Exhibit Dates: *Version 1:* 6/72-12/73. *Version 2:* 4/69-5/72.

Objectives: To train officers to perform as space object identification analysts.

Instruction: *All Versions:* Lectures and practical exercises in the duties of space object identification analysts, including radar target analysis, radar sensor systems, mathematics, review, radar cross-section patterns, target processing, orbital mechanics, various targets, orientation determination, stable body techniques, and real body analysis and special techniques. *Version 2:* Includes vector analysis, basic electromagnetic field and wave theory, methods of graphical solutions, and complex body/motion analysis.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in physics on the basis of institutional evaluation (5/74). *Version 2:* In the upper-division baccalaureate category, credit in physics and mathematics on the basis of institutional evaluation (5/74).

AF-1304-0012

AN/MMQ-2 Meteorological Station Manual

Course Number: 3AZR30250.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 5 weeks (132 hours).

Exhibit Dates: 11/71-12/73.

Objectives: To train enlisted personnel to install, operate, adjust, troubleshoot, repair, and perform preventive maintenance on the AN/MMQ-2 manual meteorological station.

Instruction: Lectures and practical exercises in the operation, repair, and maintenance of the AN/MMQ-2 manual meteorological station, including the AN/TMQ-15 wind-measuring set, the AN/TMQ-14 cloud-height set, and the AN/TMQ-20 temperature-dew point measuring set.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1401-0001

1. Accounting and Finance Specialist
2. Accounting and Finance Specialist
3. Finance Specialist
4. Finance Specialist

Course Number: *Version 1:* ABR67130. *Version 2:* AP[illegible]67130. *Version 3:* AB67130. *Version 4:* AB67130.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 16 weeks (450 hours). *Version 2:* 27 weeks (720 hours). *Version 3:* 11 weeks (300 hours). *Version 4:* 4 weeks (120 hours).

Exhibit Dates: *Version 1:* 6/60-12/68. *Version 2:* 3/58-5/60. *Version 3:* 7/57-2/58. *Version 4:* 6/56-6/57.

Objectives: To train airmen as accounting and finance specialists.

Instruction: *Version 1:* Discussions and practical exercises in accounting principles, general ledger controls and subsidiaries, commercial services, military pay, travel and accounts control. *Version 2:* Discussions and practical exercises in accounting principles, inventory accounting (monetary), appropriation expense and general ledger, stock funds, military and civilian pay, travel allowances, commercial accounts, and accounting for public funds. *Version 3:* Discussions and practical exercises in the computation of military pay and allowances, travel allowances, payment of commercial accounts, and accounting for public funds. *Version 4:* Discussions and practical exercises in the computation of military pay and allowances, processing vouchers for payment, and maintenance of payments for military personnel.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in elementary accounting, 2 in general business practice (12/68). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in elementary accounting, 3 in general business practice (12/68). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in disbursing and finance (12/68). *Version 4:* Credit is not recommended because of the technical nature of the course (12/68).

AF-1401-0003

ACCOUNTING SPECIALIST

Course Number: AB67230.

Location: 3750th Technical Training Center, Sheppard AFB, TX.

Length: 15 weeks (450 hours).

Exhibit Dates: 4/55–12/68.

Objectives: To train enlisted personnel in elementary accounting procedures.

Instruction: Lectures and on-the-job training in elementary accounting procedures, inventory accounting, military accounting procedures, and stock funds and nonappropriated funds procedures.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in elementary accounting (12/68).

AF-1401-0004

ACCOUNTANT

Course Number: SS6884.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 3 weeks (90 hours).

Exhibit Dates: 4/58–12/68.

Objectives: To provide officers with a basic knowledge of government accounting procedures.

Instruction: Lectures in basic government accounting procedures, including general military and civilian accounting procedures, expense accounting, inventory accounting, appropriation accounting, stock fund and nonappropriated funds accounting, and a review of commercial accounting.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in government accounting (12/68).

AF-1401-0005

GENERAL ACCOUNTING SPECIALIST

Course Number: 3ABR67131; ABR67131.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 11–12 weeks (330 hours).

Exhibit Dates: 11/62–12/73.

Objectives: To provide enlisted personnel with a working knowledge of elementary accounting.

Instruction: Lectures in the basic principles of accounting, including payment vouchers and financial reports, appropriations and funds systems, materiel and commercial services systems, and the stock fund and general ledger systems.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in elementary accounting (12/68).

AF-1401-0006

DISBURSEMENT ACCOUNTING SPECIALIST

Course Number: 3ABR67133; ABR67133.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 11 weeks (300–330 hours).

Exhibit Dates: 11/62–12/73.

Objectives: To provide enlisted personnel with a basic knowledge of business finance.

Instruction: Lectures and practical exercises in business finance and accounting fundamentals, with emphasis on financial disbursement procedures involving personnel, materiel, and commercial services.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in general business practice and credit in finance and accounting on the basis of institutional evaluation (12/68).

AF-1401-0007

ACCOUNTING TECHNICIAN

Course Number: AA67270.

Location: 3750th Technical Training Center, Sheppard AFB, TX.

Length: 16–18 weeks (430–540 hours).

Exhibit Dates: 12/54–12/68.

Objectives: To train selected airmen in commercial and Air Force accounting systems.

Instruction: Lectures and practical exercises in managerial functions, graphic presentation, principles of accounting and the accounting cycle, merchandising, valuation of assets, stock funds, and cost-accounting processes.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in cost accounting (2/74).

AF-1401-0008

ACCOUNTANT

Course Number: OB6881.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 12 weeks (360 hours).

Exhibit Dates: 9/55–12/68.

Objectives: To train officers to organize, direct, and coordinate accounting activities.

Instruction: Lectures in appropriation accounting, cost accounting, consolidation accounting, operating and capital accounting, budgeting, and preparation and analysis of financial statements.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in cost accounting, 3 in government accounting (12/68).

AF-1401-0009

ACCOUNTING AND FINANCE OFFICER

Course Number: *Version 1:* 3OBR6721. *Version 2:* 3OBR6721; OBR6721. *Version 3:* OBR6721.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 12 weeks (360 hours). *Version 2:* 15 weeks (450 hours). *Version 3:* 18–19 weeks (540–570 hours).

Exhibit Dates: *Version 1:* 1/71–12/73. *Version 2:* 9/65–12/70. *Version 3:* 5/58–8/65.

Objectives: To train officers as accounting and finance officers.

Instruction: *All Versions:* Lectures and practical exercises in the duties of an accounting and finance officer. Course includes accounting and finance systems, paying and collecting, commercial services and materiel, travel, civilian pay and military pay. *Version 1:* Course includes ground support system. *Version 2:* Course includes materiel/stock fund, accounts control, and management. *Version 3:* Course includes introduction to accounting, accounting procedures and document flow, and financial accountability.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the upper-division baccalaureate category, 3 semester hours in general accounting, 2 in cost accounting (12/68).

AF-1401-0010

ACCOUNTING AND FINANCE SUPERVISOR

Course Number: AAR67170.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 19 weeks (570 hours).

Exhibit Dates: 11/59–12/68.

Objectives: To provide finance and accounting supervisors with advanced training in accounting and finance.

Instruction: Lectures on accounting and finance activities, appropriation accounting, financial inventory accounting, expense and general ledger systems, stock funds, and civilian and military pay procedures.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in cost accounting, 4 in finance and disbursing (12/68).

AF-1401-0011

MEDICAL RESOURCE MANAGEMENT

Course Number: 3AZR90670-1.

Location: School of Health Care Sciences, Sheppard AFB, TX.

Length: 2 weeks (60 hours).

Exhibit Dates: 8/72–12/73.

Objectives: To train noncommissioned officers and civilian personnel working in the medical resource management office in the operation of medical service accounting, expense accounting, and manpower programs and budgets.

Instruction: Lectures and practical exercises in medical service accounting, cost accounting, budgeting, and report writing.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1401-0012

ACCOUNTING AND FINANCE SUPERVISOR (GENERAL ACCOUNTING)

Course Number: 3AAR67170-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 11 weeks (330 hours).

Exhibit Dates: 12/67–12/73.

Objectives: To train enlisted personnel in the principles of accounting and finance administration.

Instruction: Lectures and practical application of basic accounting principles and procedures; finance, material, and commercial services; accounting control; and operation of card punch machine.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1401-0013

AUDITOR

Course Number: OB6781; OB6871.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 15 weeks (450 hours).

Exhibit Dates: 12/55–12/68.

Objectives: To train officers to be auditors.

Instruction: Lectures and practical exercises in organization and management, job order and standard cost accounting, contracts, internal audit, appropriation accounting, military accounting system, functional and stock fund accounting and auditing techniques, and data processing.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in general accounting, 4 in auditing (12/68).

AF-1401-0014

Disbursing Officer

Course Number: OB6771.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 13 weeks (390 hours).

Exhibit Dates: 12/54–12/68.

Objectives: To train officers to manage financial accounts and services.

Instruction: Lectures in the management and operation of financial accounts and services, including maintenance of pay records; preparation, computation, and processing of vouchers for pay allowances (per diem and mileage); accounting for public funds; finance office administration and control of financial operations; and organization of finance functions and activities.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in disbursing and finance (12/68).

AF-1401-0015

Accounting and Finance Supervisor (Disbursement Accounting)

Course Number: AAR67170-3.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 10 weeks (300 hours).

Exhibit Dates: 8/67–12/73.

Objectives: To train personnel to supervise the disbursement functions of accounting and finance activities.

Instruction: Lectures on accounting and finance disbursement functions in areas of travel, military pay, civilian pay, and paying and collecting.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in disbursement accounting (12/68).

AF-1401-0016

Accounting and Finance Automated Materiel System

(Accounting and Finance Applications of Base Supply Computer (UNIVAC 1050 II))

Course Number: 3AZR67170; AZR67170.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 3 weeks (72–90 hours).

Exhibit Dates: 10/66–12/73.

Objectives: To train enlisted personnel to perform as accounting and finance specialists at base supply installations using UNIVAC 1050 II computers.

Instruction: Lectures and practical exercises in the duties and skills necessary to perform as accountants and finance specialists or supervisors at base supply installations using UNIVAC 1050 II computers. Course includes materiel supply; materiel system and the UNIVAC 1050 II; categories and sources of inventory; local procurement; issues, turn-ons, and receipt of materiel; accounting and finance; UNIVAC 1050 II output; adjustments, system failure, and recovery; and practical applications to the materiel system.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in procurement accounting (8/74).

AF-1401-0017

Health Services Administration

Course Number: 3OBR9021-1.

Location: School of Health Care Sciences, Sheppard AFB, TX.

Length: 11 weeks (440 hours).

Exhibit Dates: 6/72–12/73.

Objectives: To train newly commissioned Medical Service Corps officers in the skills and knowledge necessary to perform as Air Force Health Service administrators.

Instruction: Lectures and practical exercises in planning, directing, coordinating and controlling administrative and materiel activities of medical facility units, including financial management and general administration.

Credit Recommendation: In the upper-division baccalaureate category, 7 semester hours in financial management, hospital organization and administration (6/75).

AF-1402-0001

1. Data Systems and Statistics Officer
2. Data Systems and Statistics Officer
3. Statistical Services Officer

Course Number: *Version 1:* OBR6831. *Version 2:* OBR6831. *Version 3:* OBR6831; OB6831.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 11 weeks (330 hours). *Version 2:* 11 weeks (330 hours). *Version 3:* 10–13 weeks (300–390 hours).

Exhibit Dates: *Version 1:* 1/64–12/68. *Version 2:* 9/63–12/63. *Version 3:* 1/55–8/63.

Objectives: To train personnel in the use of electrical accounting machines; the management of data systems, and the principles of data processing.

Instruction: Lectures on basic data processing machines; data systems analysis and design; accounting machine operation; and calculating, punch, type 602, and reporting systems.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in data processing: unit record and computer management (12/68). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in data processing: unit record and computer management (12/68). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in methods of statistical analysis, 2 in office management (12/68).

AF-1402-0002

Automated Systems Programming Technician (Management Support Systems)

Course Number: 3AZR06789-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 7 weeks (210 hours).

Exhibit Dates: 9/67–12/73.

Objectives: To train airmen to write computer programs (Assembler and COBOL) utilizing a UNIVAC 1050 II computer.

Instruction: Lectures and practical exercises in the theory and operating principles of computers, symbolic programming, input/output directives, utility programs, subroutines, COBOL programming, and flow charting.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in computer programming (12/68).

AF-1402-0003

Computer Systems Analyst

Course Number: 3OZR5135B; 3OZR5135.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 5 weeks (150 hours).

Exhibit Dates: 10/70–12/73.

Objectives: To train officers in the techniques of computer system analysis and design.

Instruction: Lectures and practical exercises in preparation, analysis, and design steps of a system study; flowcharting techniques; forms of design; development of programming specifications; development of system performance specifications; system implementation considerations; and management of system development activities.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in business systems analysis (2/74).

AF-1402-0004

Phase II General Accounting Applications

Course Number: 3AZR67170-10.

Location: Technical Training Center, Sheppard AFB, TX.

Length: 2 weeks (60 hours).

Exhibit Dates: 12/72–12/73.

Objectives: To provide personnel with the skills and knowledge necessary to perform as accounting and finance technicians at installations using Phase II computers (Burroughs 3500).

Instruction: Discussions and practical exercises in Phase II accounting applications, data elements and codes, established records, processing of daily transactions, processing of reject and management notices, remote operation, batch and interface processing, accounting and finance output from the system, and system recovery procedures.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in computer operations (2/74).

AF-1402-0005

1. Supply Systems Specialist
2. Supply Systems Specialist (Supply Computer System Specialist)

Course Number: *Version 1:* 3ALR64830-1. *Version 2:* 3ALR64830A-1; ALR64830A.

Location: *Version 1:* School of Applied Aerospace Sciences, Lowry AFB, CO. *Version 2:* 3320th Technical School, Amarillo AFB, TX.

Length: 6 weeks (180–191 hours).

Exhibit Dates: *Version 1:* 1/73–12/73. *Version 2:* 11/66–12/72.

Objectives: To train enlisted personnel in the use of the Burroughs 1050-II computer and support equipment as applied to the operation of base-level supply systems.

Instruction: Lectures and practical exercises in the Burroughs 1050-II computer system, including assembly language, hands-on computer training, central processor functions, various numbering systems, and utility and report program generator processing.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in computer principles (12/68).

AF-1402-0006

Data Processing (SAGE)

Course Number: AZR27370B-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 6–8 weeks (180–240 hours).

Exhibit Dates: 8/60–12/68.

Objectives: To train airmen to perform duties as mapping supervisors, height supervisors, and manual data supervisors in SAGE direction centers.

Instruction: Demonstrations and discussions on SAGE organizational and functional concepts, communications, symbology interpretation, equipment, and procedures.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (12/68).

AF-1402-0007

FORTRAN Programming

Course Number: 3AZR68750-2; AZR68750-2.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 3 weeks (90 hours).

Exhibit Dates: 10/64–12/73.

Objectives: To train officers, airmen, and civilians in the techniques of programming in FORTRAN.

Instruction: Lectures and practical exercises in coding conventions; constants, variables, and subscripts; control statements and end statements; input/output statements; specification statements; and subroutines as related to FORTRAN programming language.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in computer programming (12/68).

AF-1402-0008

Computer Programming

Course Number: 3AZR68750; AZR68750.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 7 weeks (210 hours).

Exhibit Dates: 4/64–12/73.

Objectives: To train airmen in the principles and techniques of computer programming (COBOL).

Instruction: Discussions and practical exercises, including an introduction to data processing; programming logic; COBOL instruction set; and processing using card, tape, and disc files.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in computer programming (12/68).

AF-1402-0009

NCMC Computer Programmer

Course Number: 4OZF0123-4.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 20 weeks (600 hours).

Exhibit Dates: 2/69–12/73.

Objectives: To provide enlisted personnel with the knowledge and skills necessary to write programs in several computer languages.

Instruction: Lectures and practical exercises in computer programming, including input/output programming, JOVIAL programming, COSMOS (Colorado Springs Maintenance Operations program System) programming and utility programming using COSMOS, and NOCOPS (NORAD Combat Operations Program System).

Credit Recommendation: In the upper-division baccalaureate category, 8 semester hours in computer programming (2/74).

AF-1402-0010

1. Automated Systems Program Designer (Management Support Systems)
2. Automated Systems Program Designer

Course Number: 3OZR0678-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 8 weeks (240 hours). *Version 2:* 9 weeks (270 hours).

Exhibit Dates: *Version 1:* 8/69–12/73. *Version 2:* 9/67–7/69.

Objectives: To train personnel in the principles and capabilities of punched card equipment, electronic data processing, and machine language programming.

Instruction: Orientation to automatic data processing, principles and capabilities of unit record equipment, basic components of electronic data processing systems, system concepts of third-generation computers (Burroughs 3500), and COBOL programming.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in computer programming, 2 in unit record data processing (2/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in computer operations (12/68).

AF-1402-0011

COBOL Programming

Course Number: 3AZR51151-1; AZR68750-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 3 weeks (90 hours).

Exhibit Dates: 10/64–12/73.

Objectives: To train personnel in the techniques of COBOL programming.

Instruction: Lectures and practical exercises in characteristics of Burroughs 3500 computer, and COBOL language structure, coding form, divisions, flowcharting, processing, control cards, declaratives, and programming.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in computer programming (12/68).

AF-1402-0013

JOVIAL Programming

Course Number: 3AZR68750-3; AZR68750-3.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 4 weeks (120 hours).

Exhibit Dates: 10/64–12/73.

Objectives: To train officers, airmen, and civilians in the techniques of programming in a high-level language (JOVIAL).

Instruction: Lectures and practical exercises in coding constants, assignment and exchange statements, decision-making statements, compound statements, modifiers, indexing and subscripts, subroutines, and strings and arrays.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in computer programming (12/68).

AF-1402-0014

Computer Principles

Course Number: ABR305XX.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 20–21 weeks (600–630 hours).

Exhibit Dates: 10/64–12/68.

Objectives: To train airmen in electricity and electronics fundamentals and in computer principles.

Instruction: Lectures and practical exercises in electricity and electronics fundamentals and computer principles, including DC and AC, resonance, magnetism, motors, synchros, diodes, transistors, and electron tubes; operation, function, and basic mathematical relationships of power supplies, regulators, multivibrators, pulsed and blocking oscillators, AM, FM, and PM modulation and demodulation systems; binary and octal numbers; logic functions; truth tables; Boolean algebra; logic diagrams and circuits; counters and storage devices; digital techniques; transmission lines and antennas; transmitters; wave-guides; cavity resonators; UHF and microwave oscillators and amplifiers; electrical test equipment; computer circuits; coding and memory circuits; electro-mechanical input-output devices; and programming principles.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electrical laboratory, 3 in digital computer maintenance (2/74).

AF-1402-0015

B 263 Computer Programming and Operation
(Computer Operation)

Course Number: 3AZR51150; 3AZR68550; AZR68550.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 3 weeks (90 hours).

Exhibit Dates: 6/65–12/73.

Objectives: To train enlisted personnel in the basic principles of data processing and computer operations.

Instruction: Lectures and practical exercises in basic data processing and computer operations, including computer components, number systems, flowcharting, stored program instructions, data processing procedures, and Burroughs 263 computer operations.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in computer operation (12/68).

AF-1402-0016

Data Processing (SAGE)

Course Number: AZR27330B-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 6 weeks (180 hours). *Version 2:* 8 weeks (240 hours).

Exhibit Dates: *Version 1:* 4/61–12/68. *Version 2:* 8/60–3/61.

Objectives: To train enlisted personnel to perform the duties of mapping technicians, height technicians, and manual data technicians, at SAGE direction centers.

Instruction: *All Versions:* Lectures and practical experience in SAGE defense system organization, communications, equipment, and procedures. *Version 1:* Instruction includes training on IBM unit record data processing equipment.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* Credit is not recommended because of the military-specific nature of the course (2/74).

AF-1402-0018

Store and Forward Communications System Computer Programmer

Course Number: *Version 1:* 3OZR3024D. *Version 2:* 3OZR0124-3; 3OZR0123-3.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 16 weeks (474 hours). *Version 2:* 17 weeks (510 hours).

Exhibit Dates: *Version 1:* 2/71–12/73. *Version 2:* 9/66–1/71.

Objectives: To train officers, airmen, and civilians as communications system computer programmers.

Instruction: Lectures and practical exercises in computer principles, computer mathematics, basic programming concepts and techniques, compiler language (COBOL) programming techniques, and theory of real-time programming systems.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 5 semester hours in computer programming, 2 in data communications (2/74). *Version 2:* In the upper-division baccalaureate category, 5 semester hours in programming (12/68).

AF-1402-0019

COMPUTER OPERATOR
(Data Processing Machine Operator)

Course Number: 3ABR51130; 3ABR68530; ABR68530.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 9-11 weeks (270-300 hours).

Exhibit Dates: 5/65-12/73.

Objectives: To train enlisted personnel in the operation of digital computers, punched card accounting machines, and collators.

Instruction: Lectures and exercises in card punch operation; alphabetic interpretation; sorting; collating; wiring of control panels; computer components; coding systems; flow charting; stored program instructions; programming language; and computer operations.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in data processing, unit record, or computer operations (12/68).

AF-1402-0020

AUTOMATIC DIGITAL SWITCHING TECHNICIAN

Course Number: 4ALT29530-1.

Location: School of Applied Aerospace Sciences, Sheppard AFB, TX.

Length: 11 weeks (320 hours).

Exhibit Dates: 8/72-12/73.

Objectives: To train airmen in the principles of operation and the operating characteristics of data processing and digital switching equipment.

Instruction: Lectures and practical exercises in the AUTODIN system, messages, and codes; paper tape reader/punch; card reader/punch; magnetic tape equipment; memory units; system operation; service routines; and UNIVAC Set-8 operation.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours as an elective in computers or data processing (3/74).

AF-1402-0021

COMMON DIGITIZER AN/FYQ-40, F & O

Course Number: 2ASR30571-60.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 18 weeks (534 hours).

Exhibit Dates: 5/68-12/73.

Objectives: To train skilled electronics technicians to repair and maintain computerized target acquisition read-out equipment.

Instruction: Lectures and practical exercises in system functions and configurations; block-diagram and circuit analysis; isolation of equipment malfunctions; repair, testing, and alignment of components; and the use of specialized and standard test equipment.

Credit Recommendation: In the upper-division baccalaureate category, credit in digital logic and switching/microwaves on the basis of institutional evaluation (3/74).

AF-1402-0022

DIGITAL TECHNIQUES

Course Number: 2ASR30151-4.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 3 weeks (90 hours).

Exhibit Dates: 8/68-12/73.

Objectives: To train enlisted personnel in the principles of digital data processing circuitry.

Instruction: Lectures and practical exercises in digital techniques; review of transistor principles; numbering systems, logic, and Boolean expression; analysis of digital computer circuits; and functional analysis of computers.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in computers (3/74).

AF-1402-0023

ELECTRONIC DIGITAL COMPUTER REPAIRMAN (DISPLAY EQUIP/465L)

Course Number: ABR30533-4.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 15 weeks (450 hours).

Exhibit Dates: 9/64-12/68.

Objectives: To train enlisted personnel to operate, inspect, and maintain electronic data display equipment.

Instruction: Lectures and practical exercises in electronic digital computer data display central equipment operation, inspection, and maintenance procedures, including electronic and data processing principles, digital techniques, circuit logic, maintenance concepts, test routines, malfunction analysis, components isolation and repair, and use of associated aerospace ground equipment.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1402-0024

F-111A COMPUTER/NAVIGATION TEST STATION TECHNICIAN

Course Number: 3ALR30174-3.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 12 weeks (360 hours).

Exhibit Dates: 5/68-12/73.

Objectives: To train airmen to perform maintenance and shop repair on computer/navigation test stations.

Instruction: Lectures and practical exercises in digital fundamentals, binary and octal numbers, algebra, logic symbols, functions and circuits, signal flow analysis, equipment operation principles.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in computer operations (3/74).

AF-1402-0025

DATA PROCESSING MACHINE OPERATOR (PUNCHED CARD)

Course Number: ATS68530A-1.

Location: 3750th Technical Training Center, Sheppard AFB, TX.

Length: 6 weeks (180 hours).

Exhibit Dates: 3/59-12/68.

Objectives: To train personnel in the operation of electrical accounting machines.

Instruction: Operating principles, capabilities, and limitations of sorters, card-punch machines, collators, and accounting and calculating machines.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1402-0026

DATA PROCESSING MACHINE OPERATOR (PUNCHED CARD)
(Machine Accountant)

Course Number: ABR68530A; AB68230A; AB68230.

Location: 3750th Technical School, Sheppard AFB, TX; 3415th Technical School, Lowry AFB, CO.

Length: 11-12 weeks (300-360 hours).

Exhibit Dates: 5/54-12/68.

Objectives: To train personnel in the operation of electronic data processing equipment.

Instruction: Lectures and practical exercises in the principles and operation of card punch, reproducing punch, accounting and calculating machines, alphabetic collators, and data processing equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1402-0027

F/FB-111 AVIONICS AGE MAINTENANCE TECHNICIAN

Course Number: 3ALR32630.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 36 weeks (1080 hours).

Exhibit Dates: 4/68-12/73.

Objectives: To train enlisted personnel to inspect, test, maintain, and repair the aerospace ground equipment for F/FB-111 aircraft.

Instruction: Lectures and practical exercises in aerospace ground equipment inspection, testing, maintenance, and repair, including digital computer fundamentals and principles of operation, nuclear safety, computer navigational and flight controls test stations operation and maintenance, receiver-transmitter-modulator test stations operation and maintenance, and infrared and Doppler test stations operation and maintenance, with emphasis on troubleshooting and servicing procedures.

Credit Recommendation: In the upper-division baccalaureate category, credit in digital computer fundamentals on the basis of institutional evaluation (4/74).

AF-1402-0028

GROUND SYSTEMS MAINTENANCE TECHNICIAN (OA-6943/GRC-137)

Course Number: 5ANK30474-4; 5AZK30474-4.

Location: Security Service School, Goodfellow AFB, TX.

Length: 4 weeks (120 hours).

Exhibit Dates: 3/72-12/73.

Objectives: To train enlisted personnel to maintain the OA-6943/GRC-137 remote console message system.

Instruction: Lectures and practical exercises in the maintenance of the OA-6943/GRC-137 remote console message system, including message format and construction, and the operation, troubleshooting, and block and logic analysis of remote console units.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1402-0029

Operation and Maintenance of UNIVAC 1218 Computer

Course Number: 3AZR31672H-1.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL.

Length: 10 weeks (300 hours).

Exhibit Dates: 9/72–12/73.

Objectives: To train personnel in the operation, programming, fault isolation and maintenance of the UNIVAC 1218 computer.

Instruction: Lectures and practical exercises on the operation and maintenance of the UNIVAC 1218 digital computer, including use of standard test equipment for testing, fault isolation, and correction of computer malfunction; procedures for replacing computer components and printed circuit cards; wire wrapping techniques; safety; and use of technical orders and applicable commercial publications.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1402-0030

SAGE Computer Programmer

Course Number: 3OZR0123-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 18 weeks (522 hours).

Exhibit Dates: 5/68–12/73.

Objectives: To train officers to perform as SAGE computer programmers.

Instruction: Lectures and practical exercises in the functions of SAGE computer programmers, including computer principles, computer mathematics, programming concepts and compiler language programming techniques, machine language coding, peripheral equipment programming, interpretation of programs, and modification and adoption of existing programs.

Credit Recommendation: In the upper-division baccalaureate category, 5 semester hours in computer programming, 3 in data processing (12/68).

AF-1402-0031

Computer Maintenance Officer

Course Number: 3OLR3061; 3OZR3061.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 12 weeks (360 hours).

Exhibit Dates: 10/71–12/73.

Objectives: To train officers to supervise the maintenance of computers.

Instruction: Lectures and practical exercises in the maintenance of computers, including computer principles, numbering systems, storage principles, basic programming, read/write operations, internal logic of computer, hardware routines, input/output terminal equipment (emphasis on display consoles), and maintenance program development and analysis.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in computer maintenance, 3 in data processing principles (4/74).

AF-1402-0032

Computer Systems Programming Officer, SAGE

Course Number: 3OZR5144-1.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS.

Length: 8 weeks (228–254 hours).

Exhibit Dates: 1/71–12/73.

Objectives: To train officers to program the SAGE system computer.

Instruction: Lectures and practical exercises in SAGE system computer programming, including basic assembly programming, fundamentals of radar, air surveillance, weapons, real-time control, operational program analysis, I/O methods and equipment, program documentation and debugging, and functions of utility, simulation, and data reduction programs.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in computer programming (4/74).

AF-1402-0033

HM4118 Computer Programmer Tactical and Control System

Course Number: 3AZR51151-4.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS.

Length: 12 weeks (360 hours).

Exhibit Dates: 2/73–12/73.

Objectives: To train enlisted personnel who have had training in basic computer programming to operate computers in the tactical air control system.

Instruction: Lectures and practical exercises in the operation of computers in the tactical air control system, including computer system specifications, signal flow analysis, program module function, computer programming, symbolic language, word format and subsystem unit identification, real-time programming, operation of the tactical air control data recording, data reduction, and system software application and assembly.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in computer programming (4/74).

AF-1402-0034

Air Force Integrated Command and Control System Computer Programmer

Course Number: 3OZR5144-2.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 13 weeks (402 hours).

Exhibit Dates: 3/71–12/73.

Objectives: To train officers and airmen to perform as computer programmers on IBM 1410 equipment.

Instruction: Lectures and practical exercises in computer programming on IBM 1410 equipment, including computer principles, basic programming concepts and techniques, assembler language programming, machine language coding, peripheral equipment programming (magnetic disks, line printers, magnetic tapes, display consoles, and miscellaneous input/output devices), data storage files, and program assembly, operation, and debugging.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in computer programming (4/74).

AF-1402-0035

Computer Systems Programming Officer

Course Number: 3OBR5141.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 12 weeks (360 hours).

Exhibit Dates: 9/70–12/73.

Objectives: To train officers to program computer systems and design automated systems programs.

Instruction: Lectures and practical exercises in computer systems programming and automated systems program design, including programming techniques, computer mathematics, operating principles, flow charting methods and applications, program testing and debugging, machine language programming, assembler language programming, compiler theory and languages (FORTRAN, COBOL and JOVIAL), online and real-time systems, principles of system analysis and design, and management and direction of programming activities.

Credit Recommendation: In the upper-division baccalaureate category, 5 semester hours in computer programming, 2 in business systems analysis (4/74).

AF-1402-0036

1. Data Processing Machine Supervisor
2. Data Processing Machine Supervisor
3. Data Processing Machine Supervisor (Punched Card) (Machine Accounting Supervisor)
4. Data Processing Machine Supervisor (Punched Card) (Machine Accounting Supervisor)

Course Number: *Version 1:* 3AAR68570. *Version 2:* AAR68570. *Version 3:* AAR68570A; AA68270A; AA68270; AA83270. *Version 4:* AAR68570A; AA68270A; AA68270; AA83270.

Location: *Version 1:* 3750th Technical School, Sheppard AFB, TX. *Version 2:* 3750th Technical School, Sheppard AFB, TX. *Version 3:* 3750th Technical School, Sheppard AFB, TX. *Version 4:* 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 12 weeks (360 hours). *Version 2:* 12 weeks (360 hours). *Version 3:* 12–14 weeks (360–420 hours); 12–14 weeks (360–420 hours).

Exhibit Dates: *Version 1:* 7/69–12/73. *Version 2:* 5/65–6/69. *Version 3:* 2/54–4/65. *Version 4:* 2/54–4/65.

Objectives: To train noncommissioned officers and enlisted personnel to supervise data processing and computer operations.

Instruction: *All Versions:* Lectures and practical exercises in unit record equipment programming and operation, computer operations and management, data systems analysis and design, collator wiring, and logical analysis. *Version 1:* Instruction includes some introductory business systems analysis.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 1 semester hour in unit record data processing, 2 in data processing management, 2 in business systems analysis (4/74). *Version 2:* In the upper-division baccalaureate category, 4 semester hours in computer operation (12/68). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in office management (12/68). *Version 4:* In the upper-division baccalaureate category, 2 semester hours in office management (12/68).

AF-1402-0037

Programming Specialist

Course Number: 3ABR68730; ABR68730.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 7–9 weeks (210–240 hours).

Exhibit Dates: 1/64–12/73.

Objectives: To train enlisted personnel in data processing principles and computer programming in a compiler language.

Instruction: Lectures in data processing introduction, including data organization, computer and components, programming logic applications, and COBOL language programming techniques and requirements. Seven-week course includes detailed training in COBOL, including magnetic tape and disk applications. Nine-week course includes basic computer programming and a complete assembly language instruction set.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in computer programming (12/68).

AF-1402-0038

Management/Supervision of a Data Processing Installation (DPI)

Course Number: 3AZR51170.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 4 weeks (132 hours).

Exhibit Dates: 2/72-12/73.

Objectives: To train enlisted personnel to be computer operations supervisors.

Instruction: Lectures, demonstrations, and practical exercises in data processing activities organization; data processing installation evaluation; production control; security procedures; personnel supervision; and data processing management, including equipment operation and maintenance, storage, supplies, reporting procedures, and facilities management.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in data processing management (4/74).

AF-1402-0039

Data Systems Analysis and Design (Officer)

Course Number: 3OZR6854; OZR6834; OTS6854-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 4 weeks (120 hours).

Exhibit Dates: 12/60-12/73.

Objectives: To train officers in data systems analysis and design.

Instruction: Lectures in data systems study preparation, initial survey, interviewing, systems flow charting, analysis of present system resources, decision logic tables, electronic data processing equipment, computer programming introduction, optimum systems design characteristics and design requirements, data system specifications, and proposed system follow-up.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in computer systems (12/68).

AF-1402-0040

1. Computer Systems Analysis and Design (Enlisted)
2. Data Systems Analysis and Design (Enlisted)

Course Number: *Version 1:* 3AZR51172. *Version 2:* 3AZR68670; AZR68670; ATS68570B-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 5 weeks (150 hours). *Version 2:* 4-5 weeks (120-150 hours).

Exhibit Dates: *Version 1:* 12/71-12/73. *Version 2:* 2/61-11/71.

Objectives: To train enlisted personnel in systems analysis and design techniques.

Instruction: Lectures in data systems concepts, systems study techniques, system flow charting, document analysis, item analysis, decision logic tables, system design characteristics, and designing, presenting, and flow charting the proposed system.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in business systems analysis (2/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in computer systems (12/68).

AF-1402-0041

Advanced Data Processing Audit Analysis

Course Number: 3OZR6784-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 6 weeks (180 hours).

Exhibit Dates: 3/70-12/73.

Objectives: To train auditors to evaluate automated data systems.

Instruction: Lectures in computer processes review; advanced computer programming techniques; in-depth analysis and evaluation of data systems; computer flow charts; remote input/inquiry language and techniques; COBOL programming; and audit theory, tools, and techniques.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in data processing principles, 2 in computer programming (4/74).

AF-1402-0042

Auditing Data Processing Systems

Course Number: *Version 1:* 3OZR6784. *Version 2:* OZR6784.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 3-4 weeks (90-108 hours). *Version 2:* 3 weeks (90 hours).

Exhibit Dates: *Version 1:* 8/68-12/73. *Version 2:* 9/65-7/68.

Objectives: To train auditors to audit and evaluate operational automated data processing systems.

Instruction: Lectures and laboratory in automated data processing systems concepts, flow charting, computer programming techniques, computer processes, computer assisted audit techniques, and automated data processing equipment.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in data processing principles (4/74). *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1402-0043

IDHS 1410 FFS Operations and Specifications II

Course Number: 3AZR20450-3.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 3 weeks (90 hours).

Exhibit Dates: 1/70-12/73.

Objectives: To train enlisted personnel to structure and maintain a data file and to retrieve records using a data management system.

Instruction: Lectures in file structuring, file maintenance, data retrieval, output card specifications, conditional and computation statements, extracting an output mode, correction and analysis of output computer run, and operational concepts of IBM 1410 system.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in computer programming (4/74).

AF-1402-0044

Automated Systems Program Designer

Course Number: 3OZR5141-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 12 weeks (360 hours).

Exhibit Dates: 9/71-12/73.

Objectives: To train officers as computer systems programming officers and automated systems program designers.

Instruction: Lectures and practical exercises in the design and programming of business data systems, including fundamentals of computer programming, machine and assembler language programming, compiler theory and higher-level languages using FORTRAN IV and COBOL, computer mathematics, use of magnetic tape files and disk files, and basic JOVIAL procedures.

Credit Recommendation: In the upper-division baccalaureate category, 3 in computer programming—assembler language, 3 in computer programming—compiler languages (FORTRAN and COBOL), 3 in systems analysis (7/74).

AF-1402-0045

Statistical Services Officer

Course Number: SS6834.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 5 weeks (150 hours).

Exhibit Dates: 7/58-12/68.

Objectives: To train officers to operate electrical accounting machines and to manage data processing systems.

Instruction: Lectures and practical exercises in the operation of electrical accounting machines and the management of data processing systems, including principles of punched-card accounting, operation and capabilities of basic data processing machines, IBM 407 accounting machines, and IBM 602A calculating punch machines, and familiarization with electronic data processing machines.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1402-0046

Computer Systems Operations Officer
(Data Automation Officer)
(Electronic Data Processing Officer)

Course Number: 3OBR5151; 3OBR6851; OBR6851.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 8-11 weeks (240-330 hours).

Exhibit Dates: 9/58-12/73.

Objectives: To train officers to manage electronic data processing activities.

Instruction: Lectures and practical exercises in the management of electronic data processing activities and punched-card equipment, including data representation, computer components, assembler language programming, compiler languages, data communications, system characteristics of advanced computer systems, production control, advanced computer hardware and software, card punch and associated equipment, electrical accounting machines, data systems analysis, design and implementation, and personnel management.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in computer programming and management (12/68).

AF-1402-0047

CBPO Systems Management, Phase II

Course Number: 3AZR73270-4.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 3–4 weeks (90–120 hours).

Exhibit Dates: 3/68–12/73.

Objectives: To train enlisted personnel to operate a computerized personnel management system.

Instruction: Lectures and practical exercises in the operation of a computerized personnel management system, including data origination, communication, and retrieval techniques; file structures; subsystems logic; statistical analysis; data capture procedures; and computer systems and flow charting.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1402-0048

Computer Systems Programming Officer

Course Number: 3OBR0121.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 16 weeks (656 hours).

Exhibit Dates: 12/69–12/73.

Objectives: To train officers to program electronic digital computer systems.

Instruction: Lectures and practical exercises in programming electronic digital computer systems, including flow diagramming; preparation, assembly, operation, and correction of compiler language (FORTRAN, JOVIAL, and COBOL) and assembler language programs; input/output equipment; interrogating typewriters; line printers; magnetic tapes, disks, and drums; display devices; advanced concepts of multi-programming, time-sharing, and real-time; principles of computer system management and development of a complete medium-scale programming system.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in principles of data processing, 3 in computer programming—assembler, 3 in computer programming—FORTRAN, 3 in computer programming—COBOL (7/74).

AF-1402-0049

Advanced COBOL Programming Techniques

Course Number: 3AZR68770-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 3 weeks (90 hours).

Exhibit Dates: 10/70–12/73.

Objectives: To train officers and airmen to program at an advanced level using COBOL language.

Instruction: Lectures and practical exercises in programming using COBOL language, including multiprogramming and multiprocessing, B 3500 computer system, segmentation, sequential file organization, table handling, immediate-access storage devices, disk file organization, B 3500 library, sorting, debugging aids, programming applications, data communications, and B 3500 software.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in computer programming (12/68).

AF-1402-0050

Electronic Computer Systems Supervisor/Technician

Course Number: 3AAR30500.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 47–52 weeks (1410–1500 hours).

Exhibit Dates: 4/70–12/73.

Objectives: To train enlisted personnel as electronic computer and data processing maintenance superintendents.

Instruction: Lectures and practical exercises in duties of electronic computer and data processing maintenance superintendents, including basic mathematics, algebra, logarithms, imaginary numbers, trigonometric functions; DC and AC circuit analysis, vacuum tube and solid-state devices, semiconductors, power supplies and oscillators; principles of electronic computers, numbering systems, logic circuits and Boolean algebra; counters and storage devices, timing, and computer language; indicators, generators, motors, and synchros and servo systems; personnel and maintenance management; and flow charting and programming, memory systems, central computer analysis, input/output control, magnetic drums, discs, tape units, printers and readers, keyboard assembly, data display, message processor, printout interpretation, data processor, electromagnetic compatibility, and systems analysis.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in computer principles, and 2 in maintenance management (7/74).

AF-1402-0051

BUIC Systems Computer Programmer

Course Number: 3OZR5144.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 10 weeks (300–302 hours). *Version 2:* 8 weeks (240 hours).

Exhibit Dates: *Version 1:* 7/72–12/73. *Version 2:* 1/71–6/72.

Objectives: To train enlisted personnel as computer programmers on the BUIC systems computer.

Instruction: Lectures and practical exercises in computer programming. Course includes computer mathematics, assembly language programming, program terminal devices, and program maintenance.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in principles of data processing, 3 in assembly language programming (7/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in principles of data processing, 2 in assembly language programming (7/74).

AF-1402-0052

BUIC III Computer Programmer

Course Number: 2OSR0123-3.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 18 weeks (540 hours).

Exhibit Dates: 12/67–12/73.

Objectives: To train enlisted personnel to perform as computer programmers in the BUIC III system.

Instruction: Lectures and practical exercises in computer programming, including computer principles, basic programming concepts and techniques, central processor programming, I/O programming, program maintenance testing, and compiler language techniques.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in computer programming in the field of computer sciences (12/68).

AF-1402-0053

Advanced Data Automation Analysis and Design

Course Number: 3OZR6854-1; 3OZR6855-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 4 weeks (120 hours).

Exhibit Dates: 9/67–12/73.

Objectives: To train personnel in advanced data automation analysis and design.

Instruction: Lectures and practical exercises in advanced automation analysis and design, including capabilities and limitations of EDPE, data systems concepts, preparation for a systems study, survey of present systems study, analysis of the present system, design of a proposed system, and follow-up of proposed system.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in computer programming and systems analysis (12/68).

AF-1402-0054

Programming Concepts

Course Number: AZR68730.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 3 weeks (90 hours).

Exhibit Dates: 3/63–12/68.

Objectives: To train airmen in the fundamentals of computer programming.

Instruction: Lectures and practical exercises in the fundamentals of computer programming, including data systems concepts, familiarization with computer systems and punched-card accounting machines, components of a computer, data flow, binary coding system, numbering systems, computer storage and input/output media, and basic computer programming.

Credit Recommendation: In the upper-division baccalaureate category, credit in computer management (programming concepts) on the basis of institutional evaluation (12/68).

AF-1402-0055

Operation and Maintenance of UNIVAC 1218 Computer

Course Number: AZR31672H-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 10 weeks (300 hours).

Exhibit Dates: 4/67–12/68.

Objectives: To train airmen to operate, program, troubleshoot, and maintain UNIVAC 1218 digital computers.

Instruction: Lectures and practical exercises in operation, programming, troubleshooting, and maintenance of UNIVAC 1218 digital computers, including block diagramming, computer logic, analysis of computer components and circuitry, computer arithmetic section, input/output section, wire-wrapping techniques, and computer memory section analysis.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in computer operation in the field of data processing (12/68).

AF-1402-0056

Weapons Controller/Technician, BUIC III

Course Number: 3OLR1741E.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS; 3380th Technical School, Keesler AFB, MS.

Length: 3–4 weeks (90–127 hours).

Exhibit Dates: 2/70–12/73.

Objectives: To train enlisted personnel as weapons controllers employing real-time computer support (BUIC III).

Instruction: Lectures and practical exercises in duties of weapons controllers and use of real-time computer support, including data processing principles, data communications, data display console use, manned interceptor mission and tactics, and intercept control procedures and operations.

Credit Recommendation: Credit is not recommended because of the specialized nature of the course (7/74).

AF-1402-0057

STORE AND FORWARD COMMUNICATIONS SYSTEM COMPUTER PROGRAMMER

Course Number: 3OZR0123-3; OZR0123-3.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 17 weeks (510 hours).

Exhibit Dates: 9/66–12/73.

Objectives: To train officers to program real-time command and control systems using a compiler language (JOVIAL).

Instruction: Lectures and practical exercises in programming real-time command and control systems using a compiler language (JOVIAL). Topics include introduction to computers and computer terminology, binary and octal mathematics, coding schemes, computer elements and system organization, flow charting, information organization and storage, data retrieval and manipulation, digital techniques (computer logic, digital devices, Boolean algebra), and extensive programming in JOVIAL language, including input/output operations, symbology, various conventions and techniques, and analysis and debugging of programs.

Credit Recommendation: In the upper-division baccalaureate category, 5 semester hours in computer programming in the field of computer science (12/68).

AF-1402-0058

1. COMMAND AND CONTROL SYSTEMS COMPUTER PROGRAMMER
2. COMMAND AND CONTROL SYSTEMS COMPUTER PROGRAMMER (Weapon Support Systems Computer Programmer)

Course Number: *Version 1:* 3OZR0124-2. *Version 2:* OZR0123; OZR0005; OZR0076.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 16 weeks (474 hours). *Version 2:* 15 weeks (450–480 hours).

Exhibit Dates: *Version 1:* 10/69–12/73. *Version 2:* 6/61–9/69.

Objectives: To train officers to program command and control systems computers.

Instruction: Lectures and practical exercises in computer principles, computer mathematics, Boolean logic, flow chart design and analysis, machine language and computer language programming, program maintenance and testing, and data reduction techniques.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in principles of data processing, 3 in computer programming—assembler, and 3 in computer programming—compiler (7/74). *Version 2:* In the upper-division baccalaureate category, 5 semester hours in computer science or computer programming (12/68).

AF-1402-0059

1. SUPPLY SYSTEMS SUPERVISOR
2. SUPPLY OPERATION ANALYSIS/DESIGN

Course Number: *Version 1:* 3AAR64870A. *Version 2:* 3AZR64870A-1; AZR64870A.

Location: *All Versions:* 3415th Technical School, Lowry AFB, CO. *Version 2:* 3320th Technical School, Amarillo AFB, TX.

Length: *Version 1:* 5 weeks (150 hours). *Version 2:* 7 weeks (216 hours).

Exhibit Dates: *Version 1:* 3/72–12/73. *Version 2:* 11/66–2/72.

Objectives: To train enlisted personnel and civilians in the duties of supply systems specialists.

Instruction: *All Versions:* Lectures and practical exercises in the duties of supply systems specialists. *Version 1:* Course includes training in characteristics and functions of UNIVAC 1050-II computer systems, internal records, number systems, addressing and linkage techniques, reject analysis and correction, utility programs and collective readouts, mass file recovery, central processor functions, introduction to programming, reports analysis, computer room management, and scheduling computer utilization. *Version 2:* Course includes hardware familiarization, theory of operation, system application, console operation, and basic principles of programming.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1402-0060

BASE LEVEL MILITARY PERSONNEL SYSTEM (BLMPS), PHASE II
(Base Level Military Personnel System (BLMPS)/Personnel Data System (PDS) Work Center Operations, Phase II)
(BLMPS/PDS Work Center Operations, Phase II)

Course Number: 3AZR73270-6.

Location: *All Versions:* 3380th Technical School, Keesler AFB, MS. *Version 1:* School of Applied Aerospace Sciences, Keesler AFB, MS.

Length: *Version 1:* 3–4 weeks (102 hours). *Version 2:* 5 weeks (138 hours).

Exhibit Dates: *Version 1:* 7/72–12/73. *Version 2:* 4/71–6/72.

Objectives: To train enlisted personnel to perform as operators of the Phase II Base Level Military Personnel System (BLMPS).

Instruction: Lectures and practical exercises in the operation of the Phase II BLMPS, including PDS; card formats; edits; the weighted-data reporting system; operation of data communications system equipment; data maintenance techniques; and direct English statement information system.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in introduction to computer science (7/74). *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1402-0061

BUIC COMPUTER PROGRAMMING

Course Number: *Version 1:* 3AZR68770-2. *Version 2:* 3AZR27370-D.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 15 weeks (450 hours). *Version 2:* 18 weeks (534 hours).

Exhibit Dates: *Version 1:* 1/71–12/73. *Version 2:* 3/70–12/70.

Objectives: To train noncommissioned officers to perform as BUIC III computer programmers.

Instruction: Lectures and practical exercises in the skills necessary to perform as BUIC III computer programmers. Course includes computer principles, computer mathematics, basic programming concepts and techniques, BUIC assembler language programming, BUIC compiler language programming, analysis of the BUIC system equipment training, and preparation, assembly, and debugging of assembler and compiler language programs.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 4 semester hours in principles of data processing, 4 in assembly language (7/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in programming in the field of computer science (12/68).

AF-1402-0062

DIGITAL COMPUTER PRINCIPLES

Course Number: *Version 1:* 3AZR34250. *Version 2:* 3AZR34250A.

Location: *Version 1:* School of Applied Aerospace Sciences, Chanute AFB, IL. *Version 2:* 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 7 weeks (280 hours). *Version 2:* 7 weeks (210 hours).

Exhibit Dates: *Version 1:* 7/73–12/73. *Version 2:* 3/70–6/73.

Objectives: To train enlisted personnel to apply digital computers to flight simulation.

Instruction: Lectures and practical exercises in the application of digital computers to flight simulation. Course includes computer mathematics, flow charting, computer programming fundamentals, input/output devices, memory and arithmetic units, and utility programs.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in principles of data processing, 3 in computer architecture (7/74). *Version 2:* In the upper-division baccalaureate category, credit in digital computer principles on the basis of institutional evaluation (12/68).

AF-1402-0063

SAGE MAINTENANCE CONTROL TECHNICIAN

Course Number: ATS30571-33.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 12 weeks (360 hours).

Exhibit Dates: 2/62–12/68.

Objectives: To train selected enlisted personnel to organize and operate SAGE systems and the AN/FSQ-7 and AN/FSQ-8.

Instruction: Lectures and practical exercises in the organization and operation of SAGE systems and the AN/FSQ-7 and AN/FSQ-8. Course includes general instruction in SAGE systems, basic computer theory, computer instruction and programming, drums and display systems, and maintenance devices and consoles.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1402-0064

AUTOMATED SYSTEMS ANALYST (MANAGEMENT SUPPORT SYSTEMS)

Course Number: 3OZR0678-2.

Location: 3750th Technical School, Sheppard AFB, TX.
Length: 4 weeks (120 hours).
Exhibit Dates: 9/67-12/68.
Objectives: To train selected officers to analyze and use data systems.
Instruction: Lectures and practical exercises in the techniques of analysis and use of automated data systems. Course includes techniques for conducting a data systems study, flow charting, data analysis, application of automatic data processing equipment, and systems implementation.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in computer programming (12/68).

AF-1402-0066

AUTOMATED SYSTEMS ANALYST (MANAGEMENT SUPPORT SYSTEMS)

Course Number: 3AZRO6789-2.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 5 weeks (150 hours).
Exhibit Dates: 9/67-12/73.
Objectives: To train enlisted personnel as automated systems analysts.
Instruction: Lectures and practical exercises in data systems analysis. Course includes data systems concepts, systems analysis, equipment and communications concepts, computer programming techniques, and systems design and implementation.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in computer programming and systems analysis (12/68).

AF-1402-0067

CHECKOUT SEQUENCE PROGRAMMING SET, AN/GSM-133 (AGM-69A)

Course Number: 2ASR31672.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 6 weeks (180 hours).
Exhibit Dates: 1/69-12/73.
Objectives: To train maintenance personnel to maintain the AN/GSM-133 aircraft missile.
Instruction: Lectures and practical exercises in the maintenance of the AN/GSM-133 aircraft missile. Course includes operating procedures, function analysis, logic diagram analysis, fault isolation, replacement of fault components, and the repair of the missile.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1403-0001

ADMINISTRATIVE SPECIALIST
ADMINISTRATIVE CLERK

Course Number: 3ABR70230-1; ABR70230; 3ABR70320-1; AB70230.
Location: 3380th Technical School, Keesler AFB, MS; 3320th Technical School, Amarillo AFB, TX; 3450th Technical School, Warren AFB, WY.
Length: 8-13 weeks (210-360 hours).
Exhibit Dates: 3/55-12/73.
Objectives: To train airmen in the duties of administrative specialists (clerks).
Instruction: Lectures and practical experience in terminology and abbreviations, code words and nickname control programs, written communications, administrative aides, mail processing, writing, flight records, and typing.
Credit Recommendation: In the upper-division baccalaureate category, credit in typing and office procedures on the basis of institutional evaluation (12/68).

AF-1404-0001

POSTAL OPERATIONS

Course Number: 3AZR70250-1.
Location: School of Applied Aerospace Sciences, Keesler AFB, MS.
Length: 3 weeks (90 hours).
Exhibit Dates: 10/72-12/73.
Objectives: To train airmen as postal clerks.
Instruction: Lectures and practical experience in mail service; international, domestic, and courier mail processing, finance, and claims adjustment.
Credit Recommendation: Credit is not recommended because of the military-specific of the course (3/74).

AF-1404-0002

1. MORSE INTERCEPT OPERATOR
2. MORSE INTERCEPT OPERATOR (Radio Intercept Operator)

Course Number: *All Versions:* ABR29231. *Version 2:* AB29331.
Location: 3380th Technical School, Keesler AFB, MS.
Length: *Version 1:* 10 weeks (300 hours). *Version 2:* 23-26 weeks (690 hours).
Exhibit Dates: *Version 1:* 10/63-12/68. *Version 2:* 5/56-9/63.
Objectives: To train airmen to operate radio communications equipment for communications intercept.
Instruction: *All Versions:* Lectures and practical exercises in the operation of radio communications equipment for communications intercept, including Morse code, communications traffic analysis, operation of recording and frequency-measuring equipment, and communications intercept operating procedures. *Version 2:* Includes typewriting, basic electronic principles, and weather reports in communications procedures.
Credit Recommendation: *All Versions:* Credit is not recommended because of the limited nature of the course (6/74). *Version 2:* In the upper-division baccalaureate category, credit in typing on the basis of institutional evaluation (12/68).

AF-1404-0003

CRYPTOGRAPHIC OPERATOR

Course Number: AL29230.
Location: Air Training Command, Scott AFB, IL.
Length: 8 weeks (240 hours).
Exhibit Dates: 1/56-1/59.
Objectives: To train selected personnel to operate cryptographic devices and to encipher and decipher classified messages.
Instruction: Course covers security and communications, cryptosystems and cryptographic center operation. Student enciphers and deciphers messages, using mechanical or electromechanical devices.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (11/77).

AF-1405-0001

BASE SUPPLY MANAGEMENT

Course Number: 550.
Location: School of Systems and Logistics, Wright-Patterson AFB, OH.
Length: 3 weeks (120 hours).
Exhibit Dates: 1/70-6/74.
Objectives: To provide warrant officers and civilian personnel with training in the principles and procedures of resource management.
Instruction: Lectures and workshops in the principles of resource management, including logistic policies and processes, data processing, weapons system acquisition, equipment management, personnel management, maintenance and procurement procedures within supply organizations, and a logistic management exercise.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 1 semester hour in supply management (2/74); in the upper-division baccalaureate category, 1 semester hour in supply management (2/74).

AF-1405-0002

DEFENSE DATA MANAGEMENT

Course Number: 380.
Location: School of Systems and Logistics, Wright-Patterson AFB, OH.
Length: 4 weeks (160 hours).
Exhibit Dates: 1/69-6/74.
Objectives: To train commissioned officers and civilian personnel in the implementation of data management procedures used in supply acquisition.
Instruction: Lectures, discussions, and workshops in data management procedures, including storage/retrieval systems, data management organization policies, and technical manuals and specifications for data users.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (2/74).

AF-1405-0003

LOGISTICS SPECIALIST

Course Number: 3ALR66130.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 6 weeks (180 hours).
Exhibit Dates: 1/70-12/73.
Objectives: To train airmen in the management and control of material support functions and activities.
Instruction: Lectures and practical exercises in the management and control of supply, maintenance, transportation, procurement, and production functions at command and base levels; financial management; and employment and phase-out of weapon systems.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in supply management (12/68).

AF-1405-0004

AFK SUPPLY MANAGEMENT

Course Number: 3AZR64570-1; AZR64570-1.
Location: School of Applied Aerospace Sciences, Lowry AFB, CO; 3415th Technical School, Lowry AFB, CO.
Length: 4-5 weeks (120-150 hours).
Exhibit Dates: 10/68-12/73.
Objectives: To train supply personnel to operate and manage accounts and to control nuclear ordnance supplies and equipment.
Instruction: Specialized training in accounting and inventory procedures; security and safety; and requisitioning, shipping, handling and storage of nuclear and conventional ordnance equipment.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (12/68).

AF-1405-0005

Stock Control Technician

Course Number: AA64175.

Location: 3450 Technical Training Group, Francis E. Warren AFB, WY.

Length: 5-6 weeks (120-180 hours).

Exhibit Dates: 4/57-12/68.

Objectives: To prepare students to compute stock control levels, analyze logistical data, and review requests for property issue.

Instruction: Through discussion and application student learns to compute stock control levels, to compile and apply workload data, to monitor priority and special project requisitions and follow-up, and to monitor allowance tables. Topics also include elements of stock control, supply discipline and security, control charts and levels formulae, stock balance and consumption reporting, and the purpose and use of item comparison statistics.

Credit Recommendation: See the explanatory note at the beginning of the Air Force section.

AF-1405-0006

Medical Supply Officer

Course Number: None.

Location: School of Aviation Medicine, Gunter AFB, AL.

Length: 7 weeks (273 hours).

Exhibit Dates: 10/55-12/68.

Objectives: To train officers of the Medical Service Corps as base and unit medical supply officers, with emphasis on efficient management and economical use of personnel, materiel, and facilities.

Instruction: Lectures on medical supply service organization; inventory management, including requisition, stock control, requirements determination, and related accounting for medical equipment and supplies; and medical administration.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in supply management (12/68).

AF-1405-0007

Logistics Management

Course Number: 580.

Location: School of Systems and Logistics, Wright-Patterson AFB, OH.

Length: 4-5 weeks (117-135 hours).

Exhibit Dates: 3/69-6/74.

Objectives: To train officer and civilian personnel in logistics management principles.

Instruction: Lectures in logistics introduction; economics and national defense; logistics planning theory; integrated logistics support; stock control and distribution systems; basic statistics; logistics management techniques; problem solving and decision analysis; group dynamics; gaming and simulation; maintenance, transportation, procurement, and financial management; and current and future developments in logistics.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in survey of logistics (6/74); in the upper-division baccalaureate category, 2 semester hours in survey of logistics (6/74).

AF-1405-0008

Supply Operations Officer
(Supply Officer)

Course Number: 3OBR6421-1; OBR6421; OB6421.

Location: 3415th Technical School, Lowry AFB, CO; 3320th Technical School, Amarillo AFB, TX; 3450th Technical School, Warren AFB, WY.

Length: 8-12 weeks (234-360 hours).

Exhibit Dates: 2/54-12/73.

Objectives: To train officers in supply management practices and procedures.

Instruction: Lectures and practical exercises in materials management and control principles; technical aspects of reference data and inventory record keeping; supply organization; warehousing methods; cataloging; and supplies and equipment receiving, storage, and distribution procedures.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in supply management (12/68).

AF-1405-0009

1. Inventory Management Specialist
2. Inventory Management Specialist
3. Inventory Management Specialist (Supply Records Specialist)
4. Supply Records Specialist

Course Number: *Version 1:* 3ABR64530-1. *Version 2:* 3ABR64530-1. *Version 3:* ABR64530; AB64132. *Version 4:* AB64132.

Location: *Version 1:* School of Applied Aerospace Sciences, Lowry AFB, CO. *Version 2:* 3750th Technical School, Lowry AFB, CO. *Version 3:* 3320th Technical School, Amarillo AFB, TX. *Version 4:* 3450th Technical School, Warren AFB, WY.

Length: *Version 1:* 7 weeks (210 hours). *Version 2:* 9-10 weeks (240 hours). *Version 3:* 9-11 weeks (240-300 hours). *Version 4:* 9-10 weeks (240-270 hours).

Exhibit Dates: *Version 1:* 7/73-12/73. *Version 2:* 7/68-6/73. *Version 3:* 5/58-6/68. *Version 4:* 7/54-4/58.

Objectives: To train enlisted personnel in the technical aspects of inventory management.

Instruction: Lectures and practical exercises in the technical aspects of inventory management, including reference publications, item accounting and stock control, automatic data processing, physical inventory management and control, receipts, quality control and processing, and requisitions and related transactions.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the upper-division baccalaureate category, credit in inventory control on the basis of institutional evaluation (12/68). *Version 3:* In the upper-division baccalaureate category, credit in property accounting on the basis of institutional evaluation (12/68). *Version 4:* In the upper-division baccalaureate category, credit in property accounting and typing on the basis of institutional evaluation (12/68).

AF-1405-0010

Organizational Supply Specialist

Course Number: *All Versions:* ABR64630. *Version 2:* ABR64131; AB64131. *Version 3:* ABR64131; AB64131.

Location: *Version 1:* 3320th Technical School, Amarillo AFB, TX. *Version 2:* 3320th Technical School, Amarillo AFB, TX. *Version 3:* 3450th Technical School, Warren AFB, WY.

Length: *Version 1:* 8 weeks (210 hours). *Version 2:* 9-11 weeks (240-300 hours). *Version 3:* 9-11 weeks (240-300 hours).

Exhibit Dates: *Version 1:* 6/60-12/68. *Version 2:* 5/58-5/60. *Version 3:* 7/54-5/60.

Objectives: To train airmen to perform as organizational supply specialists.

Instruction: *All Versions:* Lectures and practical exercises in organizational supply methods, including publications; equipment management and control; equipment support; issues, release, receipts, storage, and transfers of equipment; and record keeping. *Version 2:* Includes basic typing. *Version 3:* Includes basic typing.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the upper-division baccalaureate category, credit in typing on the basis of institutional evaluation (12/68). *Version 3:* In the upper-division baccalaureate category, credit in typing on the basis of institutional evaluation (12/68).

AF-1405-0011

Inventory Management Supervisor

Course Number: *Version 1:* 3AAR64570-1. *Version 2:* AAR64570.

Location: *Version 1:* 3415th Technical School, Lowry AFB, CO. *Version 2:* 3320th Technical School, Amarillo AFB, TX.

Length: *Version 1:* 6-7 weeks (180-210 hours). *Version 2:* 5-7 weeks (150-210 hours).

Exhibit Dates: *Version 1:* 8/68-12/73. *Version 2:* 12/59-7/68.

Objectives: To train airmen to perform as inventory management supervisors.

Instruction: *All Versions:* Lectures and practical exercises in inventory management supervision, including personnel relations, supply systems, equipment and maintenance management, demand processing, equipment transfer, requisitioning and inventory, stock maintenance, processing of receipts, use of automatic data processing for item accounting, and inventory transactions. *Version 2:* Includes property accounting, communications, budget preparation, and data elements, codes, and formats.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the upper-division baccalaureate category, 3 semester hours in supply management (12/68).

AF-1405-0012

Materiel Facilities Specialist
(Warehousing Specialist)

Course Number: 3ABR64730-1; 3ABR64730; AB64130.

Location: 3415th Technical School, Lowry AFB, CO; 3320th Technical School, Amarillo AFB, TX; 3450th Technical School, Warren AFB, WY.

Length: 6-9 weeks (162-240 hours).

Exhibit Dates: 4/54-12/73.

Objectives: To train enlisted personnel as materiel facilities specialists.

Instruction: Lectures and practical exercises in supply system familiarization; automatic data processing; storage facilities; storage and materials handling; technical publications; materiel facilities operations; and stock location, issue, shipping, turn-in, and receiving.

Credit Recommendation: In the upper-division baccalaureate category, credit in property accounting on the basis of institutional evaluation (12/68).

AF-1405-0014

Base Procurement Officer

Course Number: 3OZR6531.

Location: 3415th Technical School, Lowry AFB, CO.
Length: 2 weeks (72 hours).
Exhibit Dates: 7/70–12/73.
Objectives: To train commissioned officers to perform as base procurement officers.
Instruction: Lectures and practical exercises in procurement procedures and practices. Course includes organization; nonappropriated funds; purchase requests; imprest funds; contracting for supplies, services, construction, and engineering; and contract administration.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in purchasing and contracting (6/74).

AF-1405-0015

CENTRAL PROCUREMENT OFFICER

Course Number: 3OBR6531-3.
Location: School of Applied Aerospace Sciences, Lowry AFB, CO; 3415th Technical School, Lowry AFB, CO.
Length: 6–9 weeks (168–270 hours).
Exhibit Dates: 4/70–12/73.
Objectives: To train personnel as systems procurement officers.
Instruction: Lectures and practical exercises in systems procurement, including procurement and production fundamentals; procurement methods and management; specialized training in base, central, contract, systems, and research and development procurement; procurement by advertising and negotiating; interdepartmental and coordinated procurement; organization and policy formulation; precontract analysis; and postcontract functions.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in purchasing management (6/74).

AF-1405-0016

SYSTEMS PROCUREMENT OFFICER

Course Number: 3OZR6531-3.
Location: 3415th Technical School, Lowry AFB, CO; School of Applied Aerospace Science, Lowry AFB, CO.
Length: 3 weeks (90–104 hours).
Exhibit Dates: 6/69–12/73.
Objectives: To train personnel as systems procurement officers.
Instruction: Lectures and practical exercises on systems procurement, including procurement and production fundamentals, procurement methods and management; specialized training in base, central, contract, systems, and research and development procurement; procurement by advertising and negotiating; interdepartmental and coordinated procurement; organization and policy formulation; precontract analysis; and postcontract functions.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in purchasing management (6/74).

AF-1405-0017

SYSTEMS PROCUREMENT OFFICER

Course Number: 3OBR6531-5.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 8 weeks (240 hours).
Exhibit Dates: 7/70–12/73.
Objectives: To train commissioned officers in procurement systems and functions.
Instruction: Lectures and practical exercises in procurement systems and operations. Course includes principles of system procurement, system program management, system life cycle, system program documentation, and programming and financial management.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in purchasing management (6/74).

AF-1405-0019

1. MOTOR VEHICLE MANAGEMENT OFFICER
2. MOTOR VEHICLE MAINTENANCE OFFICER
3. MOTOR VEHICLE MAINTENANCE OFFICER

Course Number: *Version 1:* 3OBR6021. *Version 2:* OBR4721. *Version 3:* OBR4721.
Location: *All Versions:* 3345th Technical School, Chanute AFB, IL. *Version 1:* School of Applied Aerospace Sciences, Chanute AFB, IL.
Length: *Version 1:* 6–7 weeks (210–268 hours). *Version 2:* 6 weeks (180 hours). *Version 3:* 8–9 weeks (240–270 hours).
Exhibit Dates: *Version 1:* 7/68–12/73. *Version 2:* 3/67–6/68. *Version 3:* 2/61–2/67.
Objectives: To train officers to perform as motor vehicle management or maintenance officers.
Instruction: *All Versions:* Lectures and practical exercises in motor vehicle management or maintenance, including personnel administration, supervision, and training; miscellaneous vehicular equipment; and shop procedures, including budgeting. *Version 1:* Includes motor vehicle operation.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in supply management (7/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in supply management (12/68). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in supply management (12/68).

AF-1405-0020

PROCUREMENT SPECIALIST

Course Number: ATS65150-1.
Location: 3320th Technical School, Amarillo AFB, TX.
Length: 6 weeks (180 hours).
Exhibit Dates: 3/59–12/68.
Objectives: To train officers and civilian personnel in procurement procedures.
Instruction: Lectures and practical exercises in procurement procedures, including procurement organization and publications, contracts, negotiation, advertising, bonds and securities, construction contracts, registers and reports, and termination procedures.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in procurement policies (12/68).

AF-1405-0021

SUPPLY RECORDS SUPERVISOR

Course Number: AA64174.
Location: 3450th Technical School, Warren AFB, WY.
Length: 7 weeks (210 hours).
Exhibit Dates: 5/56–12/68.
Objectives: To train enlisted personnel to maintain and control supply records.
Instruction: Lectures and practical exercises in the maintenance and control of supply records. Course includes methods of research in supply procedures, organization, data measurement, personnel management, inventory accounting, procurement, and special supply procedures.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in supply management (12/68).

AF-1405-0022

BALLISTIC MISSILE INVENTORY MANAGEMENT AND COMLOGNET PROCEDURES
(Ballistic Missile Inventory Management Procedures and LOGBALNET Operations)

Course Number: ADS64550.
Location: 3320th Technical School, Amarillo AFB, TX.
Length: 4 weeks (120–160 hours).
Exhibit Dates: 5/59–12/68.
Objectives: To train enlisted personnel to maintain supply records, inventory, stock levels, and inputs to the ballistic missile supply support system.
Instruction: Lectures and practical exercises in the maintenance of supply records and inventory. Course includes processing of supply documents, reporting transactions, inventory control, and training in keypunching, data transceiving, and teletypewriting.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1405-0023

FUEL SPECIALIST (MISSILE LIQUID FUEL PROPELLANT)
(Fuel Specialist (Unconventional Fuels))

Course Number: ALR63130B; ALR64330B.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 5–7 weeks (162–210 hours).
Exhibit Dates: 3/61–12/68.
Objectives: To train enlisted personnel as apprentice fuel specialists for unconventional fuels.
Instruction: Lectures and practical exercises in the duties of an apprentice fuel specialist. Course includes safety procedures and use of safety equipment, unstable liquid fuels, and high-pressure gases, quality control techniques in storing and transporting fuels, and disposal techniques for contaminated or toxic fuels.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1405-0024

FUEL SUPPLY SPECIALIST, IM-99

Course Number: ATS64350B-1.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 3 weeks (90 hours).
Exhibit Dates: 12/58–12/68.
Objectives: To train enlisted personnel to receive, store, transfer, and dispose of liquid rocket fuels and oxidizers.
Instruction: Lectures and practical exercises in the receipt, storage, transfer, and disposal of liquid rocket fuel and oxidizers. Course includes basic missile design, missile power plants, fuel delivery and transfer systems, availability of missile fuel, safety procedures, and basic characteristics of cryogenic liquids and high-pressure gases.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1405-0025

FUEL SPECIALIST

Course Number: 3ABR63130.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL.
Length: 8 weeks (216-273 hours).
Exhibit Dates: 6/71-12/73.
Objectives: To train enlisted personnel to receive, store, and issue petroleum products and maintain quality control of these products.
Instruction: Lectures and practical exercises in the receipt, storage, and maintenance of petroleum products. Course includes internal management control documents, use of fuel, technical publications, and the design and function of fuel transfer equipment.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1405-0026

Logistics Officer

Course Number: 3OBR6621.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 8 weeks (240 hours).
Exhibit Dates: 3/69-12/73.
Objectives: To train commissioned officers to manage and control the supply, maintenance, transportation, procurement, and production functions of logistics at a military headquarters.
Instruction: Lectures and practical exercises in the management and control of the supply, maintenance, transportation, procurement, and production functions of logistics at a military headquarters. Course includes planning, programming, budgeting, financial management, and the logistics cycle; implementation, support, employment and phase-out of weapons systems; logistics at the wholesale and retail level; and quantitative logistics methods.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in logistics management, 2 in quantitative methods in logistics (8/74).

AF-1405-0027

AMA/Directorate of Materiel Management

Course Number: 130.
Location: School of Systems and Logistics, Wright-Patterson AFB, OH.
Length: 4 weeks (110-117 hours).
Exhibit Dates: 3/69-6/74.
Objectives: To train selected enlisted personnel to manage materiel support functions.
Instruction: Lectures and practical exercises in the management of materiel support functions. Course includes planning and programming cycles, logistic programs management system, materiel utilization and disposition, and materiel management.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours as an elective in logistics (8/74).

AF-1405-0028

Materiel Control

Course Number: AZR43171-1.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 3 weeks (90 hours).
Exhibit Dates: 2/61-12/68.
Objectives: To train selected enlisted personnel in the functions and procedures of materiel control.
Instruction: Lectures and practical exercises in the functions and procedures of materiel control. Course includes supply procedures, stock levels, maintenance materiel requirements, work order fundamentals, parts routing, engineering data, supply publications, and research.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (12/68).

AF-1405-0029

Advanced Base Procurement Management

Course Number: 3OZR6534-1; OZR6534-1.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 4 weeks (120 hours).
Exhibit Dates: 1/67-12/73.
Objectives: To train enlisted personnel and civilians to manage procurement functions on a military base.
Instruction: Lectures and practical exercises in the management of procurement functions on a military base. Course includes office management, policy decisions, human relations, and contract law related to the procurement field.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in procurement management (12/68).

AF-1405-0030

1. Redistribution and Marketing (Redistribution and Marketing Officer)
2. Redistribution and Marketing Officer

Course Number: *Version 1:* 3AZR64570-2; 3AZR61170-2; AZR61170-1; OZR6224. *Version 2:* OTS6424-1.
Location: *All Versions:* 3320th Technical School, Amarillo AFB, TX. *Version 1:* 3415th Technical School, Lowry AFB, CO.
Length: *Version 1:* 4 weeks (120 hours). *Version 2:* 3 weeks (90 hours).
Exhibit Dates: *Version 1:* 10/64-12/73. *Version 2:* 5/60-9/64.
Objectives: To train enlisted personnel, officers, and civilians to operate and manage a base redistribution and marketing activity.
Instruction: Lectures and practical exercises in the operation and management of a base redistribution and marketing activity. Course includes use of disposal publications; identification and documentation of services excess; identification and segregation of metal; DoD facilities and equipment program; reclamation and demilitarization; disposition of foreign excesses; and accounting and reporting procedures.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (8/74).

AF-1405-0031

Redistribution and Marketing Specialist
(Disposal Specialist)

Course Number: AZR61150; ATS64750-3; ATS64750-1.
Location: 3320th Technical School, Amarillo AFB, TX.
Length: 3-4 weeks (90-120 hours).
Exhibit Dates: 8/58-12/68.
Objectives: To train enlisted personnel, noncommissioned officers, and civilians to perform duties in a base redistribution and marketing activity.
Instruction: Lectures and practical exercises in the duties of a redistribution and marketing specialist. Course includes receiving, classifying, and segregating property for disposal; preparing and maintaining required forms, documents, and records; preparing property for disposition; metal identification and segregation; and work in all phases of the marketing function except preparation and administration of contracts.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (3/74).

AF-1405-0032

Central Procurement Officer

Course Number: 3OZR6531-1.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 3-4 weeks (90-120 hours).
Exhibit Dates: 6/69-12/73.
Objectives: To train selected enlisted personnel as central procurement officers.
Instruction: Lectures and practical exercises in the duties of a central procurement officer. Course includes government contracting policies and procedures, purchase requests, procurement planning, documentation, procurement sources, evaluation of offers, cost and price analysis, contract award, and modification and termination.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in procurement (8/74).

AF-1405-0034

Fuel Supply Officer

Course Number: OTS6451-1.
Location: 3320th Technical School, Amarillo AFB, TX.
Length: 5 weeks (150 hours).
Exhibit Dates: 8/58-12/68.
Objectives: To train personnel as fuel supply officers.
Instruction: Lectures and practical exercises in the supervision of fuel supply activities, including duties and responsibilities of fuel supply officers; characteristics of petroleum products and fuel-handling safety; fuel accounting procedures; estimation of fuel requirements; inspection, operation, and operator maintenance of receiving, storing, and dispensing systems and packaged products facilities; commercial and military pipelines; inspection and operator maintenance of vehicular equipment; fueling and defueling of aircraft; coordination of fuel supply functions; tank cleaning; and control of quantity and quality.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in handling and storage of petroleum products (12/68).

AF-1405-0035

Initial Provisioning

Course Number: 150.
Location: School of Systems and Logistics, Wright-Patterson AFB, OH.
Length: 3 weeks (90 hours).
Exhibit Dates: 4/70-6/74.
Objectives: To train supply and maintenance personnel in initial provisioning.
Instruction: Lectures and practical exercises in initial provisioning, including basic principles of logistics, the provisioning process, responsibilities of other commands and agencies, functions of initial provisioning, advancements in initial provisioning, and initial provisioning under the Air Force advanced logistics system master plan.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 1 semester hour in supply management (8/74); in the upper-division baccalaureate category, 1 semester hour in supply management (8/74).

AF-1405-0036

Research and Development Procurement Officer

Course Number: 3[illegible]ZR6531-4.

Location: School of Applied Aerospace Sciences, Lowry AFB, CO.

Length: 3 weeks (78-104 hours).

Exhibit Dates: 6/69-12/73.

Objectives: To train commissioned officers to serve as research and development procurement officers.

Instruction: Lectures and practical exercises in the duties of a research and development officer. Course includes acquisition methods, patents, source selection procedures, solicitation requirements, proposal evaluations, and negotiations and contract administration.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in supply management (8/74).

AF-1405-0037

Systems Procurement Officer

Course Number: 3OBR6531-5.

Location: *All Versions:* School of Applied Aerospace Sciences, Lowry AFB, CO. *Version 2:* 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 6 weeks (168 hours). *Version 2:* 8-9 weeks (240-270 hours).

Exhibit Dates: *Version 1:* 9/72-12/73. *Version 2:* 4/70-8/72.

Objectives: To train officers as systems procurement officers.

Instruction: *All Versions:* Lectures and practical exercises in procurement fundamentals and system program management. *Version 1:* Course includes life-cycle phases, system program office functions, advanced planning, negotiated procurement, source selection, contracting for a major system, contract administration functions, and production surveillance. *Version 2:* Course includes statutes and publications governing procurement, procurement and production authorities and delegation, formal advertising and negotiation, procurement management, fundamentals of procurement and production, system life-cycle phases, system programming, program documentation, system contracting, and evaluation of contractor performance.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours as an elective in procurement or management (8/74). *Version 2:* In the upper-division baccalaureate category, 5 semester hours as an elective in procurement or management (8/74).

AF-1405-0038

Base Procurement Officer

Course Number: 3OBR6531-2.

Location: *Version 1:* School of Applied Aerospace Sciences, Lowry AFB, CO. *Version 2:* 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 5 weeks (165 hours). *Version 2:* 7-9 weeks (222-252 hours).

Exhibit Dates: *Version 1:* 11/72-12/73. *Version 2:* 4/70-10/72.

Objectives: To train officers to perform as base procurement officers.

Instruction: *All Versions:* Lectures and practical exercises in the fundamentals, policies, and procedures of procurement. *Version 1:* Course includes procurement fundamentals, formal advertising and negotiation, specialized procurement procedures and administration. *Version 2:* Course includes statutes and publications governing procurement, procurement and production authorities and delegations, programming, budgeting and funding, value engineering, quality assurance, disputes and appeals, formal advertising, and negotiation; procurement management; base procurement organization; vendor-procurement personnel relationship; types of base procurement contracts; and contract administration.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in procurement or purchasing (8/74). *Version 2:* In the upper-division baccalaureate category, 5 semester hours in procurement or purchasing (8/74).

AF-1405-0039

Logistics Planner

Course Number: 3AZR66000.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 6 weeks (156 hours).

Exhibit Dates: 7/72-12/73.

Objectives: To train enlisted personnel to serve as logistics planners for supply, maintenance, transportation, procurement, and service functions.

Instruction: Lectures and practical exercises in logistics planning for supply, maintenance, transportation, procurement, and service functions. Course includes introduction to logistics planning, programming and budgeting management of war reserve materiel, and mobility concepts and procedures.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in logistics (8/74).

AF-1405-0040

Chief of Supply Management

Course Number: 3OZR6411.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 3 weeks (90 hours).

Exhibit Dates: 5/71-12/73.

Objectives: To train selected commissioned officers to perform as supply managers.

Instruction: Lectures and practical exercises in the management of supply functions. Course includes supply management responsibilities, repair cycles, bench stock, materiel facilities, equipment management, stock control, stock funds, data analysis, fuels and munitions.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in supply management (8/74).

AF-1405-0041

Supply Inspector

Course Number: 3AZR64770.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 2 weeks (60 hours).

Exhibit Dates: 4/72-12/73.

Objectives: To train materiel facilities personnel to perform supply inspection duties.

Instruction: Lectures and practical exercises in supply inspection duties. Course includes identification of property, determination of property condition or status, preparation and processing of inspection reports, resolution of inspection problems, techniques of corrosion control, preservation and packaging methods, storage methods and procedures, and use of inspection tools and publications.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (8/74).

AF-1405-0042

Base Supply Trainer

Course Number: 3AZR64000.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 2 weeks (60 hours).

Exhibit Dates: 3/72-12/73.

Objectives: To train enlisted personnel to serve as instructors in base supply operations.

Instruction: Lectures and practical exercises in instruction techniques needed to instruct personnel in base supply operations. Course includes a study of the use of various instructional equipment, preparation of lesson plans, and an introduction to technical aspects of base supply operations.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (8/74).

AF-1405-0043

Research and Development Procurement Officer

Course Number: 3OBR6531-6.

Location: School of Applied Aerospace Sciences, Lowry AFB, CO; 3415th Technical School, Lowry AFB, CO.

Length: 6-9 weeks (180-258 hours).

Exhibit Dates: 4/70-12/73.

Objectives: To train selected commissioned officers to perform duties in the procurement of research and development services.

Instruction: Lectures and practical exercises in the procurement of research and development services. Course includes fundamentals of procurement and production; planning, programming and budgeting; processing of purchase requests; evaluation of proposals and work statements; technical coordination; funding; and selection of contracts.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in research and development procurement (8/74).

AF-1405-0044

Supply Systems Management

Course Number: 3OZR6424-1.

Location: School of Applied Aerospace Sciences, Lowry AFB, CO; 3415th Technical School, Lowry AFB, CO.

Length: 3 weeks (78 hours).

Exhibit Dates: 10/68-12/73.

Objectives: To train selected officers, enlisted personnel, and civilians to supervise base-level supply management functions.

Instruction: Lectures and practical exercises in the supervision of base-level supply management functions. Course includes an introduction to the base supply electronic data processing system, management records, processing of supplies and equipment transactions, acquisition and control of stocks, and analysis of supply management supports.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1405-0045

1. Medical Materiel Supervisor (B-3500)
2. Medical Materiel Supervisor
3. Medical Materiel Supervisor

Course Number: *Version 1:* 3AZR71570. *Version 2:* AAR91570-1; AAR91570; AAR90671. *Version 3:* AA90671.

Location: *Version 1:* School of Health Care Sciences, Sheppard AFB, TX. *Version 2:* Medical Service School, Sheppard AFB, TX; Medical Service School, Gunter AFB, AL. *Version 3:* School of Aviation Medicine, Gunter AFB, AL.

Length: *Version 1:* 5 weeks (150 hours). *Version 2:* 6-7 weeks (210-258 hours). *Version 3:* 10 weeks (390 hours).

Exhibit Dates: *Version 1:* 5/71-12/73. *Version 2:* 5/62-4/71. *Version 3:* 7/55-4/62.

Objectives: To train enlisted personnel to perform supervisory and managerial duties in medical materiel services.

Instruction: *All Versions:* Lectures and practical exercises in the supervision and management of medical materiel services. *Version 1:* Course includes electronic data processing systems; processing and quality control of computer input and output; inventory control; inventory management; equipment control; and budgetary control. *Version 2:* Course includes accounting and document control; acquisition and management of medical materiel stocks; administrative practices and procedures, principles of management and personnel; and principles of effective communication.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in introduction to computer science, 3 in business administration (7/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in supply administration (12/68). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in supply management (12/68).

AF-1405-0046

SUPPLY SERVICES OFFICER

Course Number: 0B6431.

Location: 3450th Technical School, Warren AFB, WY.

Length: 14 weeks (420 hours).

Exhibit Dates: 10/54-12/68.

Objectives: To train commissioned officers to perform the duties of a supply services officer.

Instruction: Lectures and practical exercises in the duties of a supply services officer. Course includes supply policies, clothing sales, commissary stores, food service, exchange service, mortuary affairs, and clothing cleaning and repair.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1405-0047

AMMUNITION OFFICER (MUNITIONS)
(Ammunition Officer)

Course Number: OBR3251A; OB3251.

Location: 3425th Technical School, Lowry AFB, CO.

Length: 8-12 weeks (240-360 hours).

Exhibit Dates: 10/54-12/68.

Objectives: To train officers as ammunition officers.

Instruction: Lectures and practical exercises in the duties of ammunition officers, including air armament administration and management; ammunition general familiarization; CW-BW agents, munitions, and protective measures; decontamination; supply, storage, and disposal of ammunition and explosives; and nuclear weapons.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in supply management (12/68).

AF-1405-0048

PURCHASING AND CONTRACTING OFFICER
(Procurement Officer)

Course Number: OB6441.

Location: 3450th Technical School, Warren AFB, WY.

Length: *Version 1:* 8 weeks (240 hours). *Version 2:* 12 weeks (360 hours).

Exhibit Dates: *Version 1:* 11/55-12/68. *Version 2:* 12/54-10/55.

Objectives: To train officers and civilian personnel in purchasing and contracting.

Instruction: *All Versions:* Lectures and practical exercises in purchasing and contracting, including introduction to procurement, and procurement policies and procedures. *Version 2:* Topics include contract administration and termination.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 4 semester hours in principles of contract negotiation (12/68). *Version 2:* In the upper-division baccalaureate category, 6 semester hours in principles of contract negotiation (12/68).

AF-1405-0049

AUTOMOTIVE SHOP MANAGEMENT

Course Number: AZR47170; ATS47000-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 8 weeks (240 hours).

Exhibit Dates: 12/58-12/68.

Objectives: To train personnel in automotive shop management.

Instruction: Lectures and practical exercises in automotive shop management, including publications and related maintenance subjects; shop organization, supply functions, and shop layout; inspection and production control operations; and administration, supervision and training.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in supply management (12/68).

AF-1405-0050

WAREHOUSING SUPERVISOR

Course Number: AA64171.

Location: 3450th Technical School, Warren AFB, WY.

Length: 6-7 weeks (180-210 hours).

Exhibit Dates: 8/54-12/68.

Objectives: To train warehouse specialists to supervise warehouse activities.

Instruction: Lectures and practical exercises in the supervision of warehouse activities. Course includes classification of equipment, use of supply catalogs, technical publications, planning and arrangement of storage facilities, WNK measurement, inventory preparation, and disposal procedures.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in supply management (12/68).

AF-1405-0052

1. SUPPLY MANAGEMENT STAFF OFFICER
2. SUPPLY MANAGEMENT STAFF OFFICER
3. SUPPLY MANAGEMENT STAFF OFFICER
4. SUPPLY MANAGEMENT STAFF OFFICER
   (Supply Staff Officer)
5. SUPPLY STAFF OFFICER
   (Supply Officer)
   (Advanced Supply Officer)
6. SUPPLY STAFF OFFICER
   (Supply Officer)
   (Advanced Supply Officer)

Course Number: *Version 1:* 3OAR6411-1. *Version 2:* 3OAR6411-1. *Version 3:* 3OAR6411-1. *Version 4:* OAR6411-1; OAR6411. *Version 5:* OAR6411; OA6411. *Version 6:* OA6411; OAR6411.

Location: *Version 1:* 3415th Technical School, Lowry AFB, CO. *Version 2:* 3415th Technical School, Lowry AFB, CO. *Version 3:* 3415th Technical School, Lowry AFB, CO. *Version 4:* 3415th Technical School, Lowry AFB, CO. *Version 5:* 3320th Technical School, Amarillo AFB, TX. *Version 6:* 3450th Technical School, Warren AFB, WY.

Length: *Version 1:* 5 weeks (150 hours). *Version 2:* 6-8 weeks (244 hours). *Version 3:* 6 weeks (180 hours). *Version 4:* 8-9 weeks (234-267 hours). *Version 5:* 10 weeks (294-300 hours). *Version 6:* 10 weeks (294-300 hours).

Exhibit Dates: *Version 1:* 9/70-12/73. *Version 2:* 12/69-8/70. *Version 3:* 6/68-11/69. *Version 4:* 11/63-5/68. *Version 5:* 8/55-10/63. *Version 6:* 8/55-10/63.

Objectives: To train personnel as supply staff officers or to give supply officers advanced training.

Instruction: *All Versions:* Lectures and practical exercises in supply, including allied supply support, supply services, management, and base supply accounting. *Version 1:* Topics include control of the supply system, analysis of major command management objectives, applied management principles and techniques, analysis of supply management reports and listings, interrelationships between various base support functions and base supply, relationship of base supply to AFLC depots, general techniques of internal operation for base supply branches and sections, and specific techniques for management of functional areas. *Version 2:* Topics include control of the supply system, analysis of major command management objectives, applied management principles and techniques, analysis of supply management reports and listings, interrelationships between various base support functions and base supply, relationship of base supply to AFLC depots, general techniques of internal operation for base supply branches and sections, and specific techniques for management of functional areas. *Version 3:* Topics include staff study reports and staff visits, supply financial management systems, supply improvement and work measurement programs, management controls, placement and management of Air Force assets, supply sources, prescribed storage procedures, monetary and item accounting, ground communications and electronics, management techniques, disposition of excesses and electronic data processing, operational plans and programs, budget and funding, and weapon and ballistic missile support systems. *Version 4:* Topics include staff study reports and staff visits, supply financial management systems, supply improvement and work measurement programs, management controls, placement and management of Air Force assets, supply sources, prescribed storage procedures, monetary and item accounting, ground communications and electronics, selective management techniques, disposition of excesses, mechanized and electronic data processing, operational plans and programs, budget and funding, weapon and ballistic missile support systems, and facilities planning. *Version 5:* Topics include publications in supply management, inventory control, and the management process. *Version 6:*

Topics include publications, inventory control, and the management process.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 1 semester hour in supply management (8/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in supply management (8/74). *Version 3:* In the upper-division baccalaureate category, 1 semester hour in supply management (8/74). *Version 4:* In the upper-division baccalaureate category, 2 semester hours in supply management (8/74). *Version 5:* In the upper-division baccalaureate category, 2 semester hours in supply management (8/74). *Version 6:* In the upper-division baccalaureate category, 2 semester hours in supply management (8/74).

AF-1405-0053

ORGANIZATIONAL SUPPLY SUPERVISOR

Course Number: AAR64670; AAR64173.

Location: *Version 1:* 3320th Technical School, Amarillo AFB, TX. *Version 2:* 3450th Technical School, Warren AFB, WY.

Length: 6-7 weeks (180-210 hours).

Exhibit Dates: 2/55-12/68.

Objectives: To train enlisted personnel to supervise organizational supply activities.

Instruction: Lectures and practical exercises in principles of management, personnel management, organization development, accounting, management and supply publications, inventory, relief documents, and mechanized procedures.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (8/74).

AF-1405-0054

SUPPLY INSPECTION TECHNICIAN

Course Number: AA64172.

Location: 3450th Technical School, Warren AFB, WY.

Length: 7-8 weeks (210-240 hours).

Exhibit Dates: 7/54-12/68.

Objectives: To train selected enlisted personnel to perform as supply inspectors.

Instruction: Lectures and practical exercises in the principles and techniques of supply inspection. Course includes classification and identification of property through the use of technical publications, stock lists and indexes; purpose and use of inspection equipment; procedures for determining and recording identification, classification, and condition of property; and inspection of property on receipt, in storage or intended for outgoing shipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1405-0055

PROCUREMENT OFFICER

Course Number: *Version 1:* 3OBR6531-1. *Version 2:* OBR6531; OBR6621; OB6621. *Version 3:* OBR6531; OBR6621; OB6621.

Location: *Version 1:* 3415th Technical School, Lowry AFB, CO. *Version 2:* 3320th Technical School, Amarillo AFB, TX. *Version 3:* 3450th Technical School, Warren AFB, WY.

Length: *Version 1:* 7 weeks (204 hours). *Version 2:* 6-7 weeks (180-240 hours). *Version 3:* 6-7 weeks (180-240 hours).

Exhibit Dates: *Version 1:* 9/68-12/73. *Version 2:* 6/56-8/68. *Version 3:* 6/56-8/68.

Objectives: To train commissioned officers to perform as procurement officers.

Instruction: Lectures and practical exercises in the duties of a procurement officer. Topics include procurement procedures, methods of procurement, types of contracts, contract preparation, and administrative procedures.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in procurement management (8/74). *Version 2:* In the upper-division baccalaureate category, 4 semester hours in principles of contract negotiation (12/68). *Version 3:* In the upper-division baccalaureate category, 4 semester hours in principles of contract negotiation (12/68).

AF-1405-0056

DISPOSAL MANAGEMENT

Course Number: OTS6631-1.

Location: 3320th Technical School, Amarillo AFB, TX.

Length: 3 weeks (90 hours).

Exhibit Dates: 8/58-12/68.

Objectives: To train selected commissioned officers to manage and dispose of excess and surplus personal property.

Instruction: Lectures and practical exercises in the disposal and management of excess and surplus personal property. Course includes storage procedures; facilities; materials handling; establishment of records; reporting of excess property; planning and conducting spot bid sales, sealed bid sales, auctions, and retail and negotiated sales.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in supply management (12/68).

AF-1405-0057

SPECIAL ORGANIZATIONAL SUPPLY

Course Number: ATS64151-1.

Location: 3320th Technical School, Amarillo AFB, TX.

Length: 5 weeks (150 hours).

Exhibit Dates: 12/58-12/68.

Objectives: To train selected enlisted personnel to establish and maintain an organizational supply facility.

Instruction: Lectures and practical exercises in the establishment and maintenance of an organizational supply facility.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (12/68).

AF-1405-0058

CEM MATERIEL CONTROL PROCEDURES (AFCS)

Course Number: 3AZR64550-1.

Location: 3415th Technical School, Lowry AFB, TX.

Length: 3-4 weeks (90-108 hours).

Exhibit Dates: 11/67-11/73.

Objectives: To train enlisted personnel to perform duties in a communications-electronics-metrological (CEM) materiel control complex.

Instruction: Lectures and practical exercises in communications-electronics-metrological materiel control complex functions. Course includes standardized supply procedures, resource management, document control, supplies support, maintenance control, and cannibalization controls and procedures.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (8/74).

AF-1406-0001

1. PERSONAL AFFAIRS SPECIALIST
2. PERSONAL AFFAIRS SPECIALIST (Personal Affairs)

Course Number: *Version 1:* 3ALR73231-1. *Version 2:* ALR73231; ATS73270.

Location: *Version 1:* 3380th Technical School, Keesler AFB, MS. *Version 2:* Technical Training Center, Lackland AFB, TX; Technical Training Center, Amarillo AFB, TX; Technical Training Center, Greenville AFB, MS.

Length: 4 weeks (120 hours).

Exhibit Dates: *Version 1:* 12/69-12/73. *Version 2:* 3/60-11/69.

Objectives: To train enlisted personnel in the basic principles of personal affairs management.

Instruction: Lectures on personal affairs organization procedures, communication security, the base-level personnel system, commercial and government life insurance, social security, family services, retirement and survivors benefits, and personal financial planning.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the upper-division baccalaureate category, credit in applied sociology on the basis of institutional evaluation (2/74).

AF-1406-0002

MANPOWER POLICIES AND PROCEDURES

Course Number: 3AZR73370-1.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 3 weeks (90 hours).

Exhibit Dates: 7/72-12/73.

Objectives: To provide manpower specialists with training in manpower programming.

Instruction: Lectures on Air Force organization, policies, and structures; organization of manpower, manpower reports, manpower resource utilization, and manpower allocation and accounting systems; and management engineering.

Credit Recommendation: Credit is not recommended because of the military-specific of the course (2/74).

AF-1406-0003

RECRUITER

Course Number: 3AZR99120.

Location: School of Applied Aerospace Sciences (ATC), Lackland AFB, TX; 3275th Technical School, Lackland AFB, TX.

Length: *Version 1:* 7 weeks (391 hours). *Version 2:* 8 weeks (228 hours).

Exhibit Dates: *Version 1:* 8/73-12/73. *Version 2:* 10/69-7/73.

Objectives: To train noncommissioned officers in the procedures and techniques of recruiting.

Instruction: Lectures in principles of recruiting, including sales techniques, record keeping, advertising principles and merchandising techniques, public relations, speech fundamentals and practice speaking, classifying and processing applicants, eligibility requirements, and techniques in qualifying a prospect.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in public relations or marketing (2/74). *Version 2:* In the upper-division baccalaureate category, credit in speech or public relations on the basis of institutional evaluation (12/68).

AF-1406-0004

1. MANPOWER MANAGEMENT TECHNICIAN
2. MANAGEMENT TECHNICIAN

Course Number: *Version 1:* AL73330. *Version 2:* AL80170.

Location: *All Versions:* 3310th Technical School, Scott AFB, IL. *Version 1:* 3700th Technical School, Lackland AFB, TX.

Length: *Version 1:* 6–8 weeks (180–240 hours). *Version 2:* 8 weeks (240 hours).

Exhibit Dates: *Version 1:* 9/55–12/68. *Version 2:* 5/54–8/55.

Objectives: To train airmen to perform studies of management methods, organizational structures, and manpower utilization and allocation.

Instruction: *All Versions:* Lectures and practical exercises in analysis of organizational structures, and in utilization of manning tables, personnel methods, and management techniques. *Version 1:* Lectures on conducting management training and on management engineering techniques.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in management analysis, and 2 in principles of personnel management (12/68). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in personnel administration (12/68).

AF-1406-0005

PERSONNEL SPECIALIST
(Classification Specialist)

Course Number: 3ABR73230; 3ABR73230-1; ABR73230-1; ABR73230; AB73230; AB73231.

Location: 3380th Technical School, Keesler AFB, MS; 3320th Technical School, Amarillo AFB, TX; 3505th Technical School, Greenville AFB, MS; 3700th Technical School, Lackland AFB, TX; 3310th Technical School, Scott AFB, IL.

Length: 7–18 weeks (306–480 hours).

Exhibit Dates: 5/54–12/73.

Objectives: To provide airmen with the knowledge and skills of apprentice personnel specialists.

Instruction: Lectures in career assistance and counseling; personnel records; data control; typing; and pay, allowances, and personal affairs procedures.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in personnel classification, and credit in typing on the basis of institutional evaluation (12/68).

AF-1406-0006

RECRUITER
(USAF Recruiter)

Course Number: AZR99120; XX99020; SS99020.

Location: 3275th Technical School, Lackland AFB, TX; 3700th Technical School, Lackland AFB, TX.

Length: 8–9 weeks (228–308 hours).

Exhibit Dates: 1/55–12/68.

Objectives: To train enlisted personnel to be recruiters.

Instruction: Lectures in recruiting, including information dissemination, speech fundamentals, telephone techniques, processing applicants, counseling, service benefits, eligibility requirements, selective recruiting concepts, reporting for the press, community relations, radio and TV, high school program, printed publicity, practice speaking, and practice selling.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in salesmanship (6/74).

AF-1406-0007

AIR FORCE RESERVE RECRUITER

Course Number: 3AZR99120-3; 2ASR99120-1.

Location: School of Applied Aerospace Sciences, Lackland AFB, TX.

Length: 4 weeks (120–158 hours).

Exhibit Dates: 2/73–12/73.

Objectives: To train enlisted personnel to perform as Air Force Reserve recruiters.

Instruction: Lectures in Air Force Reserve recruiting. Course includes procurement programs, sales, advertising and publicity, community relations, news media, and speech fundamentals.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1406-0008

1. PILOT INSTRUCTOR TRAINING (T-33)
(Pilot Instructor Training (Basic))
2. PILOT INSTRUCTOR TRAINING (BASIC)
(Pilot Instructor Training-Basic Single-Engine (Jet))

Course Number: *Version 1:* F111508Q. *Version 2:* F111508Q; F113501Q; F112108Q.

Location: Air Training Command, Randolph AFB, TX; Air Training Command, Craig AFB, AL.

Length: *Version 1:* 9–10 weeks (208–237 hours). *Version 2:* 10–11 weeks (289–308 hours).

Exhibit Dates: *Version 1:* 10/60–12/68. *Version 2:* 1/56–9/60.

Objectives: To train rated pilots to perform as pilot instructors for undergraduate or basic pilot training in single-engine jets.

Instruction: Lectures and practical exercises in pilot instruction procedures, including principles of learning, specific equipment engineering, radio aids to instrument navigation, flight planning, techniques of instructing instrument flying, contract or transition, and formation flying and navigation.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in instructional methods on the basis of institutional evaluation (12/68). *Version 2:* In the upper-division baccalaureate category, credit in instructional methods on the basis of institutional evaluation (12/68).

AF-1406-0009

CRITERION REFERENCED INSTRUCTION (CRI) WORKSHOP

Course Number: CRI-1; 120010.

Location: *Version 1:* Tactical Air Command, Nellis AFB, NV; Tactical Air Command, Patrick AFB, FL. *Version 2:* Tactical Air Command, Shaw AFB, SC; Tactical Air Command, Luke AFB, AZ; Tactical Air Command, Holloman AFB, NM; Tactical Air Command, Hill AFB, UT; Tactical Air Command, Luke AFB, AZ; Tactical Air Command, Davis-Monthan AFB, AZ; Tactical Air Command, Cannon AFB, NM; Tactical Air Command, Mt. Home AFB, ID; Tactical Air Command, George AFB, CA; Tactical Air Command, Tinker AFB, OK; Tactical Air Command, Eglin AFB, FL; Strategic Training Squadron (SAC), Carswell AFB, TX.

Length: Self-paced 3 weeks (120 hours).

Exhibit Dates: *Version 1:* 6/77–Present. *Version 2:* 4/76–Present.

Objectives: The course is designed for U.S. Air Force officers, airmen and civilian personnel to teach the preparation of criterion-referenced instruction to support Instructional System.

Instruction: Training includes performing task and goal analyses, preparing criterion objectives and tests, identifying relevant course aterials, designing course control documents, and applying performance management principles. Emphasis is placed on anaysis, design, and implementation. Course is conducted in a self-paced workshop format in a 3-week, 120-hour design and provides learning materials, multi-media instruction, and resource persons to enrollees.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in instructional design (8/77); In the graduate degree category, Credit may be considered on the basis of individual institutional policy and evaluation (9/79).

AF-1406-0010

PILOT INSTRUCTOR TRAINING (T-38)

Course Number: *All Versions:* F-V5A-B. *Version 2:* F111538Q.

Location: Air Training Command, Randolph AFB, TX; Air Training Command, Tyndall AFB, FL.

Length: *Version 1:* 13 weeks (210 hours). *Version 2:* 10 weeks (206—234 hours).

Exhibit Dates: *Version 1:* 2/73–Present. *Version 2:* 1/64–1/73.

Objectives: To train pilots as instructor pilots.

Instruction: Lectures and practical exercises in pilot instructor training, including policies and procedures, contact flying, formation flying, synthetic instrument training, instrument flying, principles of instruction, aircraft systems, applied aerodynamics, flight planning, air traffic control, pilot procedures, flight rules, and methods and techniques.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 3 semester hours in instructional methods (6/75). *Version 2:* In the upper-division baccalaureate category, credit in instructional methods on the basis of institutional evaluation (12/68).

AF-1406-0011

PILOT INSTRUCTOR TRAINING (T-41)

Course Number: F-V5C-B; F-V5C-B-O.

Location: Air Training Command, Petersen Field, CO.

Length: 5 weeks (93–97 hours).

Exhibit Dates: 9/67–5/74.

Objectives: To train pilots as aircraft instructor pilots.

Instruction: Lectures and practical exercises in instructional methods as applied to flight training. Course includes flight training, aircraft systems, flying safety, and principles of instruction.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in teacher education (6/74); in the upper-division baccalaureate category, credit in instructional methods on the basis of institutional evaluation (12/68).

AF-1406-0012

HELICOPTER INSTRUCTOR TRAINING (H-43B)

Course Number: F102500C.

Location: Air Training Command, Stead AFB, NV.

Length: 7 weeks (148 hours).

Exhibit Dates: 1/63–12/68.

Objectives: To train helicopter instructor pilots to instruct personnel in the operation of H-43B helicopters.

Instruction: Lectures and practical exercises in instructional techniques as applied to helicopter flight training. Course includes flight and ground training, tactical operations, and instructional techniques.

Credit Recommendation: In the upper-division baccalaureate category, credit in instructional methods on the basis of institutional evaluation (12/68).

AF-1406-0013

INTERCEPTOR WEAPONS INSTRUCTOR SCHOOL (F-94C)

Course Number: 112401.

Location: Air Training Command, Moody AFB, GA.

Length: 10 weeks (312 hours).

Exhibit Dates: 7/54-12/68.

Objectives: To train instructors to operate and employ interceptor weapons.

Instruction: Lectures and practical exercises in instruction methods for interceptor weapon training. Topics include instrument flight, interceptor techniques, tactics, rocketry, and instructional methods.

Credit Recommendation: In the upper-division baccalaureate category, credit in instructional methods on the basis of institutional evaluation (12/68).

AF-1406-0014

INTERCEPTOR WEAPONS INSTRUCTOR SCHOOL (F-89D)

Course Number: 112402.

Location: Air Training Command, Moody AFB, GA.

Length: 10 weeks (306-325 hours).

Exhibit Dates: 7/54-12/68.

Objectives: To train instructors to teach pilots to employ interceptor weapons.

Instruction: Lectures and practical exercises in instruction techniques as related to interceptor weapons training. Topics include flight tactics, formations, weather, navigation, and weapons on specific aircraft.

Credit Recommendation: In the upper-division baccalaureate category, credit in instructional methods on the basis of institutional evaluation (12/68).

AF-1406-0015

PILOT INSTRUCTOR TRAINING (T-28)

Course Number: *Version 1:* F-V5C-A; 135528Z. *Version 2:* F111521.

Location: *Version 1:* Air Training Command, Keesler AFB, MS; Air Training Command, Randolph AFB, TX. *Version 2:* Air Training Command, Moody AFB, GA.

Length: *Version 1:* 10 weeks (212-217 hours). *Version 2:* 4 weeks (75 hours).

Exhibit Dates: *Version 1:* 4/65-12/73. *Version 2:* 6/62-3/65.

Objectives: To train rated pilots as pilot instructors in undergraduate training, and in T-28 aircraft.

Instruction: Lectures and practical exercises in pilot instruction, and in T-28 aircraft, including flight indoctrination; contact, night local, formation, instrument and navigation flying; aircraft engineering; applied aerodynamics; flight planning; and flying safety.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in instructional methods on the basis of institutional evaluation (12/68). *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1406-0016

HELICOPTER PILOT INSTRUCTOR TRAINING (H-19/H-21)

Course Number: F102401.

Location: Air Training Command, Stead AFB, NV.

Length: 5 weeks (138 hours).

Exhibit Dates: 6/61-12/68.

Objectives: To train helicopter pilots as flight instructors in single- and/or tandem-rotor aircraft.

Instruction: Lectures and practical exercises in helicopter pilot instruction. Topics include fundamentals of instruction, psychology of instruction, evaluation, lesson planning, and practice teaching.

Credit Recommendation: In the upper-division baccalaureate category, credit in instructional methods on the basis of institutional evaluation (12/68).

AF-1406-0017

FIGHTER WEAPONS INSTRUCTOR

Course Number: G-112400A.

Location: Air Training Command, Luke AFB, AZ.

Length: 12 weeks (517 hours).

Exhibit Dates: 8/55-12/68.

Objectives: To qualify fighter pilots as fighter weapons instructors.

Instruction: Lectures and practical exercises in fighter weapons instruction. Academic training includes harmonization, aerial attack, film assessment, sights, ground attack, training equipment, fighter weapons, techniques of instruction, practice teaching, and special weapons.

Credit Recommendation: In the upper-division baccalaureate category, credit in instructional methods on the basis of institutional evaluation (12/68).

AF-1406-0019

INSTRUMENT PILOT INSTRUCTOR TRAINING (T-29)

(USAF Instrument Pilot Instructor Training (Reciprocating))

(USAF Instrument Pilot Instructor Training (Reciprocating Engine))

(USAF Instrument Pilot Instructor, Conventional (B-25))

Course Number: I-104500F; I-104100F; I-122100P; I-112100P.

Location: Air Training Command, Randolph AFB, TX; Air Training Command, James Connally AFB, TX; Air Training Command, Moody AFB, GA.

Length: 8-10 weeks (263-329 hours).

Exhibit Dates: 7/54-12/68.

Objectives: To qualify pilots as instrument instructors in specific aircraft.

Instruction: Lectures and practical exercises on instrument pilot instructor training, including flight instruments; navigational aids, methods, and procedures; flight weather; instruments; fundamentals of instruments; practice teaching and speaking; computers; regulations and publications; and pilot shorthand.

Credit Recommendation: In the upper-division baccalaureate category, credit in instructional methods on the basis of institutional evaluation (12/68).

AF-1406-0020

INSTRUMENT PILOT INSTRUCTOR TRAINING (T-33)

(USAF Instrument Pilot Instructor Training (Jet))

Course Number: I-111500Q; I-112100Q.

Location: Air Training Command, Randolph AFB, TX; Air Training Command, James Connally AFB, TX; Air Training Command, Moody AFB, GA.

Length: 8-10 weeks (208-272 hours).

Exhibit Dates: 7/54-12/68.

Objectives: To qualify pilots as instrument instructors in jet aircraft.

Instruction: Lectures and practical exercises on instrument pilot instructor training, including flight instruments; navigational methods, aids, and procedures; flight weather; flying training subjects; fundamentals of instruction; practice teaching; computers; and regulations and publications.

Credit Recommendation: In the upper-division baccalaureate category, credit in instructional methods on the basis of institutional evaluation (12/68).

AF-1406-0021

PILOT INSTRUCTOR TRAINING (T-37)

Course Number: *All Versions:* F-V5A-A. *Version 2:* F111507Q.

Location: Air Training Command, Randolph AFB, TX; Air Training Command, Perrin AFB, TX; Air Training Command, James Connally AFB, TX; Air Training Command, Williams AFB, AZ.

Length: *Version 1:* 13 weeks (202-220 hours). *Version 2:* 9-11 weeks (192-224 hours).

Exhibit Dates: *Version 1:* 2/73-Present. *Version 2:* 4/63-1/73.

Objectives: To train pilots as flight instructors in T-37 aircraft.

Instruction: Lectures and practical exercises in methods of instruction, grading and testing techniques, aircraft systems, applied aerodynamics, flight planning, flying safety, base management system, and contact, instrument, and formation flying.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 3 semester hours in instructional methods (6/75). *Version 2:* In the lower-division baccalaureate/associate degree category, 3 semester hours in instructional methods (6/74); in the upper-division baccalaureate category, credit in instructional methods on the basis of institutional evaluation (12/68).

AF-1406-0023

TECHNICAL INSTRUCTOR

Course Number: 5AIK75100.

Location: Security Service School, Goodfellow AFB, TX.

Length: *Version 1:* 16 weeks (480 hours). *Version 2:* 6 weeks (172 hours).

Exhibit Dates: *Version 1:* 4/71-12/73. *Version 2:* 4/68-3/71.

Objectives: To train newly assigned instructor personnel to perform classroom instruction.

Instruction: Lectures and practical exercises in instructional methods. Course includes principles of learning, communication skills, instructional aids, evaluation techniques, instructional management, and a wide range of material in the psychology and philosophy of education.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in tests and measurement, 6 in instructional methods (7/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in instructional methods (12/68).

AF-1406-0024

1. Instructional Systems Materials Development
   (Instructional Programmer)
2. Instructional Programmer

Course Number: *Version 1:* 3AZR75100. *Version 2:* AZR75100.

Location: *Version 1:* 3275th Technical School, Lackland AFB, TX; 3375th Technical School, Lackland AFB, TX. *Version 2:* 3375th Technical School, Lackland AFB, TX.

Length: 5 weeks (150 hours).

Exhibit Dates: *Version 1:* 1/71-12/73. *Version 2:* 11/65-12/70.

Objectives: To train airmen and officers in instructional systems technology.

Instruction: *All Versions:* Lectures and practical exercises in instructional programming/systems technology, including theory of programmed/systems instruction, program planning and writing, test development, editing instructional materials and task/subject analysis. *Version 1:* Includes development of learning objectives, theory of self-instruction and self-instructional programs, instructor-presented programs, audiovisual programs, and validation and implementation. *Version 2:* Includes stimulus-response inventory and teaching points, chaining procedures, and terminal and subterminal frames.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 10 semester hours in instructional technology with emphasis on programmed instruction (7/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in instructional programming in the field of teacher education (12/68).

AF-1406-0026

Instructor Management Training

Course Number: ATS73371.

Location: 3505th Technical School, Greenville AFB, MS.

Length: 4 weeks (120 hours).

Exhibit Dates: 8/62-12/68.

Objectives: To train airmen as management instructors.

Instruction: Lectures and practical exercises in the instruction of management courses, including speech and communications, motivation, types of training aids, question techniques, interviewing and counseling, conference methods and techniques, principles of course organization, lesson planning, measurement and evaluation procedures, and management for supervisors.

Credit Recommendation: In the upper-division baccalaureate category, credit in instructional methods on the basis of institutional evaluation (12/68).

AF-1406-0027

OTS Instructor Training

Course Number: 3OIR0904-1; 3OIR7531-1.

Location: Officer Training School, Lackland AFB, TX.

Length: 3 weeks (80-98 hours).

Exhibit Dates: 6/69-12/73.

Objectives: To train officers as instructors for officer training school.

Instruction: Lectures and practical exercises in the duties of instructors for officer training school, including psychology of learning, communications, practice teaching using lectures, discussion and demonstration/performance methods, measurement and evaluation procedures, sports refereeing, and school administrative procedures.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in instructional technology (7/74).

AF-1406-0028

Multi-Media Teaching System (Development)

Course Number: 3AZR75173-1.

Location: Training Center, Lackland AFB, TX.

Length: 4 weeks (120 hours).

Exhibit Dates: 9/69-12/73.

Objectives: To train enlisted personnel as traffic safety assistants capable of using multimedia teaching systems.

Instruction: Lectures and practical exercises in preparation of multimedia training materials for traffic safety courses, including curriculum analysis, learning objectives, teaching points and sequencing of teaching points, preparation of visual aids, selection of visual aids, script and audio track preparation, and visual assembly.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in instructional media methodology on the basis of institutional evaluation (7/74).

AF-1406-0029

Instrument Pilot Instructor (Helicopter)

Course Number: F-V5G-G.

Location: Air Training Command, Randolph AFB, TX.

Length: 6 weeks (188-195 hours).

Exhibit Dates: 8/72-Present.

Objectives: To train rated helicopter pilots to perform as instrument flight instructors.

Instruction: Lectures and practical exercises in instrument flight instruction techniques and procedures. Course includes principles of instruction/evaluation, navigational aids, weather, and FAA regulations.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in teacher education (7/74).

AF-1406-0030

Technical Instructor

Course Number: *Version 1:* 3AIR75100-X; 3AIR75100-2; 3AIR75100-4; 3AIR75100-5; 3AIR75100-6. *Version 2:* 3AIR75100-6; AIR75100-1; AIR75100-2; AIR75100-3; AIR75100-4; AIR75100-6; IT75100-1; IT75100-4; IT75100-6; IT75100.

Location: Technical School, Lowry AFB, CO; Technical School, Lackland AFB, TX; Technical School, Amarillo AFB, TX; Technical School, Warren AFB, WY; Technical School, Parks AFB, CA; Technical School, Sheppard AFB, TX; Technical School, Keesler AFB, MS; Technical School, Scott AFB, IL; Technical School, Chanute AFB, IL; Technical School, Randolph AFB, TX.

Length: *Version 1:* 8 weeks (240 hours). *Version 2:* 8 weeks (240-246 hours).

Exhibit Dates: *Version 1:* 3/68-Present. *Version 2:* 11/54-2/68.

Objectives: To train enlisted personnel as technical instructors.

Instruction: *All Versions:* Lectures and practical exercises in instructional methods and techniques, including communication, learning principles, developmental teaching concepts, preparing objectives and lessons, various methods of teaching, instructional aids, counseling, measurement procedures, study techniques, and administration and practice teaching. *Version 1:* Includes programmed instruction.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in observation and methods, 2 in instructional technology, and 3 in practice teaching (7/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in instructional methods (12/68).

AF-1406-0031

Personnel Staff Officer

Course Number: 3OAR7311; OAR7311.

Location: 3380th Technical School, Keesler AFB, MS; 3320th Technical School, Amarillo AFB, TX.

Length: 4 weeks (120 hours).

Exhibit Dates: 9/67-12/73.

Objectives: To train personnel staff officers to manage personnel and to perform numerous personnel functions.

Instruction: Lectures and practical exercises in personnel management. Topics include human relations and management; personnel data systems; planning and programming; performance evaluation systems; and military-related personnel subjects.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in personnel management (12/68).

AF-1406-0032

1. Manpower Allocation and Accounting System (MAAS)
   (MAJCOM Manpower Procedures)
2. Major Command (MAJCOM) Manpower Procedures
3. Major Command (MAJCOM) Manpower Procedures

Course Number: *Version 1:* 3AZR73370. *Version 2:* 3AZR73370. *Version 3:* 2ASR73370-1.

Location: *Version 1:* School of Applied Sciences, Keesler AFB, MS. *Version 2:* 3415th Technical School, Lowry AFB, CO. *Version 3:* 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 3 weeks (90 hours). *Version 2:* 5 weeks (150 hours). *Version 3:* 5 weeks (150 hours).

Exhibit Dates: *Version 1:* 2/73-12/73. *Version 2:* 3/71-1/73. *Version 3:* 5/68-2/71.

Objectives: To train enlisted personnel as manpower specialists.

Instruction: *All Versions:* Lectures and practical exercises in data code and allocation routines, basic authorization and unit control routines, balance routine, manpower reports, and inquiry routines. *Version 2:* Instruction includes utilization and management engineering.

Credit Recommendation. *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the upper-division baccalaureate category, 2 semester hours in manpower management (12/68).

AF-1406-0033

Professional Personnel Management

Course Number: None.

Location: Air University, Maxwell AFB, AL.

Length: 6 weeks (204-248 hours)

Exhibit Dates: 6/66-Present.

Objectives: To train senior personnel in advanced management techniques.

Instruction: Lectures and practical exercises in the skills necessary to manage and handle facets of personnel management. Course includes Department of Defense management environment, management processes, human relations, management systems and quantitative methods, and personnel processes.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in management, 3 in labor relations (2/74).

AF-1406-0034

Academic Instructor

Course Number: None.

Location: Air University, Maxwell AFB, AL.

Length: *Version 1:* 5–6 weeks (200–240 hours). *Version 2:* 6 weeks (260 hours). *Version 3:* 6 weeks (260–264 hours).

Exhibit Dates: *Version 1:* 6/68–Present. *Version 2:* 1/64–5/68. *Version 3:* 1/54–12/63.

Objectives: To train commissioned officers to improve their effectiveness as academic instructors.

Instruction: Lectures and practical exercises in the improvement of academic instruction techniques. Course includes educational foundations and philosophy, communication techniques, test and measurement, educational methodology, instructional technology, and instructional television.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 2 semester hours in educational foundations and philosophy, 1 in communication techniques, 4 in educational methodology, 2 in instructional technology, 2 in tests and measurements, 3 in instructional television (7/74); in the upper-division baccalaureate category, 3 semester hours in instructional methods (12/68). *Version 2:* In the lower-division baccalaureate/associate degree category, 2 semester hours in educational foundations and philosophy, 1 in communication techniques, 1 in tests and measurement, 5 in educational methodology, 2 in instructional technology, 3 in instructional television (7/74); in the upper-division baccalaureate category, 3 semester hours in instructional methods (12/68). *Version 3:* In the lower-division baccalaureate/associate degree category, 2 semester hours in educational foundations and philosophy, 1 in communication techniques, 1 in tests and measurement, 5 in educational methodology, 2 in instructional technology (7/74); in the upper-division baccalaureate category, 3 semester hours in instructional methods (12/68).

AF-1406-0035

Manpower Management Officer

Course Number: OL7331.

Location: 3310th Technical School, Scott AFB, IL.

Length: 7 weeks (210 hours).

Exhibit Dates: 12/54–12/68.

Objectives: To train selected officers and civilians to perform as manpower managers.

Instruction: Lectures and practical exercises in the duties of a manpower manager. Course includes manpower management and program planning; conference leadership; executive development and human relations; work simplification and measurement, production planning and industrial organization; mission organization analysis and management review; and manning procedures and classification and assignment of military personnel.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in manpower management methods (12/68).

AF-1406-0036

Personnel Officer

Course Number: *Version 1:* 3OBR7321. *Version 2:* OBR7321-1. *Version 3:* OBR7321. *Version 4:* OBR7321. *Version 5:* OB7321. *Version 6:* OB7321.

Location: *Version 1:* 3380th Technical School, Keesler AFB, MS. *Version 2:* 3320th Technical School, Amarillo AFB, TX. *Version 3:* 3505th Technical School, Greenville AFB, MS. *Version 4:* 3505th Technical School, Greenville AFB, MS. *Version 5:* 3275th Technical School, Lackland AFB, TX. *Version 6:* 3310th Technical School, Scott AFB, IL.

Length: *Version 1:* 8 weeks (228 hours). *Version 2:* 8–9 weeks (240–264 hours). *Version 3:* 12 weeks (360 hours). *Version 4:* 8–9 weeks (240–270 hours). *Version 5:* 12–15 weeks (360–450 hours). *Version 6:* 12–15 weeks (360–450 hours).

Exhibit Dates: *Version 1:* 3/71–12/73. *Version 2:* 7/65–2/71. *Version 3:* 9/63–6/65. *Version 4:* 7/61–8/63. *Version 5:* 6/54–6/61. *Version 6:* 6/54–6/61.

Objectives: To train officers as personnel officers.

Instruction: *All Versions:* Lectures and practical exercises in supervising and coordinating the classification and assignment of military and civilian personnel, including personnel fundamentals and procedures. *Version 1:* Topics include personnel data systems; career control; quality control; and processing section, personal affairs section and administration. *Version 2:* Topics include career control and administration, quality control, and data control and personal affairs. *Version 3:* Topics include personal affairs fundamentals and procedures, and personnel administration and data systems. *Version 5:* Topics include personnel administration and control methods. *Version 6:* Topics include personnel administration and control methods.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in personnel administration (8/74). *Version 2:* In the upper-division baccalaureate category, 4 semester hours in personnel classification (12/68). *Version 3:* In the upper-division baccalaureate category, 6 semester hours in personnel classification (12/68). *Version 4:* In the upper-division baccalaureate category, 4 semester hours in personnel classification (12/68). *Version 5:* In the upper-division baccalaureate category, 6 semester hours in personnel classification (12/68). *Version 6:* In the upper-division baccalaureate category, 6 semester hours in personnel classification (12/68).

AF-1406-0037

USAF Recruiting Officer

Course Number: 3OZR0902.

Location: School of Applied Aerospace Sciences, Lackland AFB, TX.

Length: 3 weeks (90–118 hours).

Exhibit Dates: 4/73–12/73.

Objectives: To train selected commissioned officers to manage recruiting activities.

Instruction: Lectures and practical exercises in the management of recruiting activities. Course includes salesmanship, sales management, sales training, and sales promotion.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in salesmanship (8/74).

AF-1406-0038

Air National Guard Recruiter

Course Number: 3AZR99120-2.

Location: School of Applied Aerospace Sciences, Lackland AFB, TX.

Length: 4 weeks (120 hours).

Exhibit Dates: 1/73–12/73.

Objectives: To train commissioned and noncommissioned officers to recruit personnel for the armed services.

Instruction: Lectures and practical exercises in the recruitment of personnel into the armed services. Course includes speech fundamentals; sales fundamentals; practice selling; community relations; advertising and publicity; eligibility requirements; and processing and classification.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in salesmanship (8/74).

AF-1406-0039

1. ATC Instructor Training
   (ATC Instructor Training (Navigator))
2. ATC Instructor Training
   (Navigator)
3. ATC Instructor Training
   (Navigator)
   (Navigator Instructor Training)
   (Instructor Training for Aircraft Observer)

Course Number: *Version 1:* B-V7D-A. *Version 2:* B-V7D-A. *Version 3:* 753101-N; 753100; 51-33.

Location: *All Versions:* Air Training Command, Mather AFB, CA. *Version 3:* Air Training Command, Scott AFB, IL.

Length: *Version 1:* 10–14 weeks (261–403 hours). *Version 2:* 8 weeks (95 hours). *Version 3:* 5–6 weeks (104–200 hours).

Exhibit Dates: *Version 1:* 5/74–Present. *Version 2:* 8/70–4/74. *Version 3:* 1/51–7/70.

Objectives: To train enlisted personnel to perform the duties of flight trainer and academic instructor in a navigator training program.

Instruction: Lectures and practical exercises in the duties of an instructor in a navigator flight training program. Course includes psychology of learning, oral and written communications techniques, evaluation and measurement of student achievement, instructional technology, and practice teaching.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 4 semester hours in instructional methods (6/75). *Version 2:* In the lower-division baccalaureate/associate degree category, 3 semester hours in instructional methods and/or technology, 1 in observation and methods (7/74); in the upper-division baccalaureate category, 3 semester hours in instructional methods and/or instructional technology, 1 in observation and methods (7/74). *Version 3:* In the lower-division baccalaureate/associate degree category, 3 semester hours in instructional methods and/or technology, 1 in observation and methods (7/74); in the upper-division baccalaureate category, 2 semester hours in instructor training (12/68).

AF-1406-0040

Personnel Technician

Course Number: AAR73270-1; AAR73270; AA73270.

Location: *Version 1:* 3320th Technical School, Amarillo AFB, TX. *Version 2:* 3505th Technical School, Greenville AFB, MS. *Version 3:* 3275th Technical School, Lackland AFB, TX. *Version 4:* 3310th Technical School, Scott AFB, IL.

Length: 8–11 weeks (240–330 hours).

Exhibit Dates: 9/54–12/68.

Objectives: To train enlisted personnel as personnel administration technicians.

Instruction: Lectures and practical exercises in personnel administration, including interviewing and counseling techniques, job analysis, personnel testing, classification and assignment of officer and enlisted personnel, military records, personnel actions, personnel evaluation, pay and benefits, accounting, and personnel data system.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in personnel classification (12/68).

AF-1406-0041

ATC Instructor Training

Course Number: S-V8D-A.

Location: Air Training Command, Randolph AFB, TX.

Length: 3–4 weeks (96–98 hours).

Exhibit Dates: 1/75–Present.

Objectives: To train technically qualified personnel to teach and supervise the instruction of academic and technical subjects.

Instruction: Lectures and practical exercises in course curriculum development; psychology of learning; communications; methods and techniques of instruction; practice teaching; and grading techniques.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 4 semester hours in teacher education (6/75); in the upper-division baccalaureate category, 2 semester hours in teacher education (6/75).

AF-1407-0001

Chapel Management Specialist

Course Number: 3ABR70130.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 9 weeks (270 hours).

Exhibit Dates: 5/72–12/73.

Objectives: To train enlisted personnel to assist chaplains in religious and administrative duties.

Instruction: Lectures and practical exercises in religious and educational programs and facilities, ecclesiastical equipment, audio-visual aids, chapel receptionist, reports and files, publicity, resources management, and typing.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1407-0002

Stenographic Specialist

Course Number: 3ALR70430.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 14 weeks (420 hours).

Exhibit Dates: 5/72–12/73.

Objectives: To train airmen as stenographic specialists.

Instruction: Lectures and practical exercises in typing, shorthand, English grammar, preparing briefs of correspondence and reports, arranging travel reservations, and mail distribution.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1408-0001

Defense Cost Price Analysis

Course Number: 141.

Location: School of Systems and Logistics, Wright-Patterson AFB, OH.

Length: 2 weeks (69 hours).

Exhibit Dates: 3/73–6/74.

Objectives: To train procurement management personnel in the basic principles of cost and price analysis.

Instruction: Lectures in the basic principles of cost and price analysis, including cost estimating, projection techniques, factors affecting profit, negotiation strategy, management policies and procedures, and the weighted-guidelines technique of profit analysis.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (2/74).

AF-1408-0002

Financial Administration

Course Number: 3OAR6711.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 11 weeks (342 hours).

Exhibit Dates: 1/72–12/73.

Objectives: To train career officers and key civilian personnel for positions in financial administration.

Instruction: Lectures on management theory, planning, programming, and budgeting systems; quantitative analysis techniques; resource management accounting systems; and automated systems.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in financial administration (2/74).

AF-1408-0003

Defense Contract Pricing Techniques

Course Number: 142.

Location: School of Systems and Logistics, Wright-Patterson AFB, OH.

Length: 4 weeks (120 hours).

Exhibit Dates: 9/71–6/74.

Objectives: To provide selected military and civilian personnel with the analytical tools and techniques required to apply economics and statistics to cost-price problems in procurement.

Instruction: Lectures on quantitative review; cost/volume/profit analysis; cost element analysis; make or buy determinations; profit analysis; contract pricing arrangements.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in business economics (12/68).

AF-1408-0004

Professional Military Comptroller

Course Number: None.

Location: Institute for Professional Development, Maxwell AFB, AL.

Length: *Version 1:* 8 weeks (233 hours). *Version 2:* 9 weeks (360 hours).

Exhibit Dates: *Version 1:* 9/72–Present. *Version 2:* 1/68–8/72.

Objectives: To train officers to serve as comptrollers or resource managers.

Instruction: Lectures, seminars and case studies in economics, finance, managerial accounting, human relations, computer management including theories and concepts relating to research techniques, executive expression, quantitative methods and resource management. Programs include individual research and application of computer techniques in the subject areas.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 19 semester hours in business administration (2/74); in the graduate degree category, 3 semester hours in organizational management, 3 in financial and economic analysis (4/76). *Version 2:* In the upper-division baccalaureate category, 5 semester hours in business administration (2/74).

AF-1408-0005

Nonappropriated Funds

Course Number: 3OZR6724.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 4 weeks (132 hours).

Exhibit Dates: 4/71–12/73.

Objectives: To train selected personnel to serve as comptroller's assistants.

Instruction: Practical exercises in concepts and organization of funds, fund and bookkeeping operations, financial statements, briefing practice, budgeting, fiscal control, office administration, and insurance.

Credit Recommendation: In the upper-division baccalaureate category, credit in institutional management on the basis of institutional evaluation (2/74).

AF-1408-0006

Maintenance Engineering Production Analysis
(Maintenance Analysis)

Course Number: 3OZR4344; OZR4344; XX4344.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 6–8 weeks (180–228 hours).

Exhibit Dates: 3/58–12/68.

Objectives: To train officers and civilians in the techniques of maintenance data analysis.

Instruction: Lectures on the function and responsibilities of maintenance staff activities, statistical methods, data systems, data processing, and analytical methods.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in statistical analysis (12/68).

AF-1408-0007

Maintenance Engineering Production Analysis

Course Number: AZR45170.

Location: Technical Training Center, Chanute AFB, IL.

Length: 6 weeks (180 hours).

Exhibit Dates: 3/60–12/68.

Objectives: To train airmen to work with statistical methods in the analysis of maintenance production data.

Instruction: Lectures on practical mathematics and statistics, control charts and standards, and analysis.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in statistical analysis (12/68).

AF-1408-0008

Defense Advance Procurement Pricing

Course Number: 145.

Location: School of Systems and Logistics, Wright-Patterson AFB, OH.
Length: 3 weeks (102 hours).
Exhibit Dates: 12/68–6/74.
Objectives: To train officers and civilian personnel to serve as cost estimators and price analysts.
Instruction: Practical exercises in quantitative methods, including risk and financial analysis; index numbers; parametric, direct, and indirect cost models; and forecasting techniques.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in quantitative methods (2/74).

AF-1408-0009

1. MANAGEMENT ANALYSIS SPECIALIST
2. MANAGEMENT ANALYSIS SPECIALIST
3. MANAGEMENT ANALYSIS TECHNICIAN

Course Number: *Version 1:* 3ABR69130. *Version 2:* 3ALR69130. *Version 3:* ALR68330; AZR68370.
Location: School of Applied Aerospace Sciences, Sheppard AFB, TX; 3750th Technical School, Sheppard AFB, TX.
Length: *Version 1:* 10–11 weeks (300–342 hours). *Version 2:* 10 weeks (300 hours). *Version 3:* 9–10 weeks (270–300 hours).
Exhibit Dates: *Version 1:* 2/70–12/73. *Version 2:* 3/68–1/70. *Version 3:* 9/63–2/68.
Objectives: To provide enlisted personnel with basic training in management analysis.
Instruction: Lectures and practical exercises in management concepts and techniques, including program, progress, mission, statistical, and financial analysis, and application of analytical methods to decisive areas.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in basic statistics, 2 in applied statistical analysis (2/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in basic statistics, 2 in financial analysis, 2 in applied management analysis (12/68). *Version 3:* In the upper-division baccalaureate category, 1 semester hour in oral/written communication, 5 in financial analysis, 3 in applied management analysis (12/68).

AF-1408-0010

QUANTITATIVE METHODS FOR ADVANCED PROCUREMENT PRICING

Course Number: 144.
Location: School of Systems and Logistics, Wright-Patterson AFB, OH.
Length: 2 weeks (60 hours).
Exhibit Dates: 1/73–6/74.
Objectives: To provide experienced procurement officers with advanced training in applied statistical analysis.
Instruction: Lectures in statistical analysis as applied to advanced procurement-pricing techniques, including fundamentals of computer programming, systems analysis, sampling techniques, curvilinear regression and multiple regression analysis, and statistics and mathematics review.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 1 semester hour in applied statistics (2/74); in the upper-division baccalaureate category, 1 semester hour in applied statistics (2/74).

AF-1408-0011

DEFENSE WEAPONS SYSTEMS MANAGEMENT

Course Number: None.
Location: Air Force Institute of Technology, Wright-Patterson AFB, OH.
Length: 10 weeks (250 hours).
Exhibit Dates: 1/64–6/71.
Objectives: To provide senior military and civilian personnel with knowledge of the concepts and activities involved in the design, engineering, acquisition, and support of major weapon systems.
Instruction: Lectures on the functions of national defense weapon systems; planning for system design, selection, and acquisition; contract definition and procurement policies; and management of acquisition and support, including design control, engineering, testing, production, logistics and support services, contract administration, and cost measurement and control.
Credit Recommendation: In the upper-division baccalaureate category, 9 semester hours in business administration (12/68).

AF-1408-0012

MANAGEMENT ENGINEERING SPECIALIST

Course Number: *Version 1:* 3ALR73331. *Version 2:* ALR73331.
Location: School of Applied Aerospace Sciences, Keesler AFB, MS; 3415th Technical School, Lowry AFB, CO.
Length: *Version 1:* 8–10 weeks (240–288 hours). *Version 2:* 8 weeks (240 hours).
Exhibit Dates: *Version 1:* 5/68–12/73. *Version 2:* 12/63–4/68.
Objectives: To train enlisted personnel as management engineering specialists.
Instruction: Lectures in mathematics, statistics, automatic data processing, queuing theory, motion study and time study, work sampling and simplification procedures, human relations, and correlation and regression analysis.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 5 semester hours in industrial management (2/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in statistics (12/68).

AF-1408-0013

MAINTENANCE MANAGEMENT AND INFORMATION SYSTEMS

Course Number: 210.
Location: School of Systems and Logistics, Wright-Patterson AFB, OH.
Length: 3 weeks (104–120 hours).
Exhibit Dates: 4/69–6/74.
Objectives: To provide maintenance managers with supplementary training in maintenance management and information systems.
Instruction: Lectures and practical exercises in maintenance management and information systems, including maintenance policies and requirements, management concepts and research procedures, maintenance management information systems, financial management systems, data processing and computer logic, and quantity theory.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in maintenance management (2/74); in the upper-division baccalaureate category, 2 semester hours in maintenance management (12/68).

AF-1408-0014

PRODUCTION MANAGEMENT II
(Advanced Production Management)

Course Number: 279.
Location: School of Systems and Logistics, Wright-Patterson AFB, OH.
Length: 3 weeks (157 hours).
Exhibit Dates: 12/69–6/74.
Objectives: To provide production personnel with advanced training in defense production management.
Instruction: Lectures and seminars in principles of production management, production technology, procurement, problem and decision analysis techniques, and analysis of current management policy.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in production management (2/74); in the upper-division baccalaureate category, 2 semester hours in production management (2/74).

AF-1408-0015

STATISTICAL SERVICES SUPERVISOR

Course Number: *Version 1:* AA68170. *Version 2:* 83170.
Location: *Version 1:* 3750th Technical School, Sheppard AFB, TX. *Version 2:* 3415th Technical School, Lowry AFB, CO.
Length: *Version 1:* 10 weeks (300 hours). *Version 2:* 12 weeks (300 hours).
Exhibit Dates: *Version 1:* 11/54–12/68. *Version 2:* 12/53–10/54.
Objectives: To train airmen in the organization, management, and supervision of statistical services activities.
Instruction: Lectures and practical exercises in an introduction to statistical services, methods of statistical analysis and presentation, personnel reporting, and material and operational statistics.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in business organization/statistical analysis (12/54).

AF-1408-0016

ADVANCED COST AND ECONOMIC ANALYSIS

Course Number: 191.
Location: School of Systems and Logistics, Wright-Patterson AFB, OH.
Length: 4–7 weeks (117–120 hours).
Exhibit Dates: 3/69–6/74.
Objectives: To provide experienced cost analysts with specialized training in advanced economic analysis.
Instruction: Lectures and practical exercises in mathematics and statistics, use of regression and regression models, aircraft systems cost estimation, sensitivity analysis, problems of airlift and sealift, and cost effectiveness techniques.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in cost analysis (2/74); in the upper-division baccalaureate category, 2 semester hours in cost analysis (12/68).

AF-1408-0017

BUDGET SPECIALIST

Course Number: *Version 1:* 3ALR67230. *Version 2:* ALR67230; AZR67152.
Location: *Version 1:* School of Applied Aerospace Sciences, Sheppard AFB, TX. *All Versions:* 3750th Technical School, Sheppard AFB, TX.
Length: *Version 1:* 8 weeks (228–240 hours). *Version 2:* 8 weeks (240 hours).
Exhibit Dates: *Version 1:* 5/71–12/73. *Version 2:* 2/64–4/71.
Objectives: To train airmen in budgeting, financial planning, and financial management for Air Force personnel.
Instruction: Lectures and practical exercises in the fundamentals of Air Force budgeting, principles and procedures of budget

administration, developing estimates of requirements, and preparation of operating budgets and financial plans.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in budgeting and financial administration (2/74). *Version 2:* In the upper-division baccalaureate category, 4 semester hours in finance and budget planning (12/68).

AF-1408-0018

Disbursing Supervisor

Course Number: AA81170.
Location: 3415th Technical Training Center, Lowry AFB, CO.
Length: 13 weeks (390 hours).
Exhibit Dates: 3/54–12/68.
Objectives: To train enlisted personnel to supervise disbursing activities.
Instruction: Lectures in the duties of a disbursing supervisor. Course includes introduction to disbursing, military pay, travel allowances, commercial accounts, accounting for public funds, and financial office management.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in general business practice (12/68).

AF-1408-0019

Disbursing Clerk

Course Number: AB81130.
Location: 3415th Technical Training Group, Lowry AFB, CO.
Length: 10 weeks (300 hours).
Exhibit Dates: 3/54–12/54.
Objectives: To train enlisted personnel in disbursing and accounting procedures.
Instruction: Lectures in the duties of a disbursing clerk. Course includes introduction to disbursing, military pay, travel allowances, commercial accounts, accounting for public funds, and financial office management.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in general business practice (12/68).

AF-1408-0020

Heating Plant Management and Supervision

Course Number: AAN54770-1.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 4 weeks (108 hours).
Exhibit Dates: 3/67–12/68.
Objectives: To provide skills for the supervision and management of a heating plant.
Instruction: Principles and procedures employed in heating plant supervision and management are taught, including operation and maintenance of common combustion control instruments, heating plant management and combustion principles, boiler water sampling, testing, treatment, scale and corrosion control in steam and high-temperature hot water heating plants and systems, and organizational control, including workload evaluation.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1408-0023

Personnel Services Officer

Course Number: OB7341.
Location: 3310th Technical School, Scott AFB, IL.
Length: 6 weeks (180 hours).
Exhibit Dates: 6/55–12/68.
Objectives: To train officers to manage personnel services activities for Air Force personnel and their dependents.
Instruction: Lectures and laboratories in personnel management, including human relations, vocational and educational guidance, personal affairs activities, character guidance, community services, and dependents education; and the personnel services organization, including funds, supplies, communications, and entertainment and recreational activities and facilities.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in applied sociology (12/68).

AF-1408-0024

Executive Engineering

Course Number: None.
Location: Civil Engineering School, Wright-Patterson AFB, OH.
Length: 3 weeks (115 hours).
Exhibit Dates: 2/73–6/74.
Objectives: To provide officers and civilian personnel with advanced training in civil engineering management.
Instruction: Lectures on motivational theory; communication; economics; leadership dynamics and creativity; and organizing, planning, and decision-making techniques.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in management (2/74); in the upper-division baccalaureate category, 3 semester hours in management (2/74).

AF-1408-0025

Advanced Systems Buying

Course Number: 172.
Location: School of Systems and Logistics, Wright-Patterson AFB, OH.
Length: 4 weeks (160 hours).
Exhibit Dates: 1/69–6/74.
Objectives: To teach officers and civilian personnel the basic principles of procurement management.
Instruction: Lectures in the principles of procurement management, including Army project procurement; economics; cost estimating, programming, scheduling, and controlling defense systems procurement; and leadership, decision-making, and communication techniques.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in industrial procurement (2/74); in the upper-division baccalaureate category, 2 semester hours in industrial procurement (2/74).

AF-1408-0026

Surveillance of Performance Measurement Systems

Course Number: 195.
Location: School of Systems and Logistics, Wright-Patterson AFB, OH.
Length: 2 weeks (60 hours).
Exhibit Dates: 2/73–6/74.
Objectives: To train officers and civilian personnel to perform the maintenance and surveillance of contractor performance-measurement systems.
Instruction: Lectures and discussions on the design and maintenance of a contractor's system, with emphasis on logic, data analysis, data system troubleshooting, and problem analysis; and budgeting and accounting of surveillance systems.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (2/74).

AF-1408-0027

Phase II Systems Management

Course Number: 3OZR5155.
Location: School of Applied Aerospace Sciences, Sheppard AFB, TX.
Length: 2 weeks (60 hours).
Exhibit Dates: 8/72–12/73.
Objectives: To prepare qualified data processing installation managers and machine room supervisors as B 3500 computer operations systems managers.
Instruction: Lectures and practical exercises in B 3500 data processing installation concepts, B 3500 system, B 3500 loaders and utilities, on-line systems management, and management problems.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (2/74).

AF-1408-0028

Advanced Personnel Officer

Course Number: OA7311.
Location: 3310th Technical School, Scott AFB, IL.
Length: 8 weeks (240 hours).
Exhibit Dates: 10/54–12/68.
Objectives: To provide officers with advanced training in personnel administration.
Instruction: Lectures on human relations, oral and written communications, and personnel management, including evaluation, training, separations, promotions, classifications, interviewing, and counseling.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in personnel classification (12/54).

AF-1408-0029

Evaluation of Performance Measurement System

Course Number: 194; 197.
Location: School of Systems and Logistics, Wright-Patterson AFB, OH.
Length: 3 weeks (108 hours).
Exhibit Dates: 4/73–6/74.
Objectives: To train procurement and management personnel to determine whether cost and schedule control systems meet specified government criteria.
Instruction: Lectures and practical exercises in contractor measurement systems; organizational planning, budgeting, accounting, and analysis criteria; and contractor systems evaluation methods and related report preparation.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (2/74).

AF-1408-0030

Personnel Management and Data Systems

Course Number: 3AZR73270-3; AZR73270-3.
Location: 3320th Technical School, Amarillo AFB, TX.
Length: 3 weeks (90 hours).
Exhibit Dates: 7/66–12/73.
Objectives: To train officers and airmen to perform as personnel office managers and supervisors.
Instruction: Lectures on personnel data systems for officers and airmen, and base personnel office organization.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (12/68).

AF-1408-0031

Chaplain Services (Specialist) Supervisor

Course Number: AA70370.
Location: 3450th Technical School, Francis E. Warren AFB, WY.
Length: 6 weeks (180 hours).
Exhibit Dates: 11/54–12/68.
Objectives: To train airmen to manage chaplain services activities.
Instruction: Lectures on management and correspondence, supervision of supplies and funds, preparation of reports, planning and scheduling chaplain activities, and public relations.
Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1408-0032

Maintenance Scheduling Specialist

Course Number: *All Versions:* 3ALR43330. *Version 2:* ALR43330.
Location: 3345th Technical School, Chanute AFB, IL.
Length: *Version 1:* 8 weeks (240 hours). *Version 2:* 8–10 weeks (240–288 hours).
Exhibit Dates: *Version 1:* 5/70–12/73. *Version 2:* 11/63–4/70.
Objectives: To train airmen in the maintenance management functions of planning, scheduling, and controlling.
Instruction: Lectures and practical exercises in maintenance control mathematics; data systems and reports; forecasting operational support requirements and projecting capabilities; shop scheduling; controlling workload requirements; aerospace vehicle and equipment status reporting; and maintenance.
Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the upper-division baccalaureate category, 6 semester hours in maintenance management (12/68).

AF-1408-0033

Contract Administration

Course Number: *Version 1:* 3AZR65170-2. *Version 2:* 3AZR65170-2; 3AZR65170-6. *Version 3:* AZR65170-3.
Location: *Version 1:* 3415th Technical School, Lowry AFB, CO. *Version 2:* 3415th Technical School, Lowry AFB, CO. *Version 3:* 3320th Technical School, Amarillo AFB, TX.
Length: *Version 1:* 5–6 weeks (150–184 hours). *Version 2:* 4–5 weeks (120–150 hours). *Version 3:* 5 weeks (150 hours).
Exhibit Dates: *Version 1:* 3/71–12/73. *Version 2:* 7/68–2/71. *Version 3:* 3/66–6/68.
Objectives: To provide procurement personnel with advanced training in the principles and practices of government contracting and contract administration.
Instruction: Lectures on principles of government contracting, basis for administration, contract administration procedures, contract cost principles and procedures, and tools of administration.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in principles of contracting (2/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in principles of contracting (12/68). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in principles of contracting (12/68).

AF-1408-0034

Procurement Supervisor

Course Number: *Version 1:* 3AAR65170-1. *Version 2:* AAR65170.
Location: *Version 1:* School of Applied Aerospace Science, Lowry AFB, CO; 3415th Technical School, Lowry AFB, CO. *Version 2:* 3320th Technical School, Amarillo AFB, TX.
Length: *Version 1:* 6–7 weeks (180–206 hours). *Version 2:* 6 weeks (180 hours).
Exhibit Dates: *Version 1:* 4/69–12/73. *Version 2:* 2/62–3/69.
Objectives: To train first-line supervisors and technicians to conduct and supervise procurement operations.
Instruction: Practical experience in contract administration, advertising, personnel planning and scheduling, and technical procurement performance.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in procurement policies (12/68).

AF-1408-0035

Work Control Specialist

Course Number: ALR55630.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 5 weeks (150 hours).
Exhibit Dates: 8/65–12/68.
Objectives: To train enlisted personnel to perform as work control specialists.
Instruction: Lectures and practical exercises in supervision and management of work control centers; planning and scheduling procedures; publications and forms; preventive maintenance; service calls; and planning of annual maintenance and repair programs.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in maintenance management (12/68).

AF-1408-0036

Workload Control

Course Number: AZR43171.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 3 weeks (90 hours).
Exhibit Dates: 5/62–12/68.
Objectives: To train airmen and civilians in the functions and procedures of workload control and maintenance.
Instruction: Lectures and practical exercises in maintenance management; work order processing and control; utilization of maintenance reports; dispatching of equipment.
Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1408-0037

Contract Management

Course Number: 3OZR6531-2.
Location: Technical Training Center, Lowry AFB, CO.
Length: 3 weeks (90 hours).
Exhibit Dates: 6/69–Present.
Objectives: To provide defense personnel with knowledge and understanding of the principles of defense contract management.
Instruction: Lectures on contract administration, development engineering, quality assurance, property administration, and production and pricing.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in contract management (2/74).

AF-1408-0039

Advanced Contract Administration

Course Number: 178.
Location: School of Systems and Logistics, Wright-Patterson AFB, OH.
Length: 2–3 weeks (60–128 hours).
Exhibit Dates: 1/69–6/74.
Objectives: To provide procurement management personnel with advanced training in defense contract administration.
Instruction: Lectures and seminars in advanced defense contract administration, including contractor technical and financial capability review and analysis, contractor performance evaluation, data management, accounting systems, performance, and progress management tools, and basic managerial principles and techniques.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in contract management (2/74); in the upper-division baccalaureate category, 2 semester hours in contract management (12/68).

AF-1408-0040

Basic Orientation Course for Officers of the Medical Service

Course Number: OBM0104.
Location: Medical Service School, Gunter AFB, AL; School of Aviation Medicine, Gunter AFB, AL.
Length: 3–4 weeks (110–175 hours).
Exhibit Dates: 9/55–12/68.
Objectives: To train newly commissioned officers to serve as personnel administrators in Air Force medical facilities.
Instruction: Lectures and practical exercises in medical and personnel administration; nursing services; organization of USAF medical services; disaster, nuclear, preventive, and occupational medicine; and dental services.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in medical administration (12/68).

AF-1408-0041

Administrative Officer

Course Number: OBR7021.
Location: 3320th Technical School, Amarillo AFB, TX.
Length: 7 weeks (210 hours).
Exhibit Dates: 5/68–12/73.
Objectives: To train officers to perform and manage administrative activities, policies, and procedures.
Instruction: Lectures on effective communication; records, forms, and publications management; and utilization and supervision of personnel.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (3/74).

AF-1408-0042

Contract Law

Course Number: 3AZR65170-5.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 3 weeks (90 hours).
Exhibit Dates: 7/69–12/73.
Objectives: To provide procurement personnel with advanced training in legal principles related to government contracts.
Instruction: Lectures on contract law; labor law; law of agencies; governmental

procurement, methods and procedures; disputes and remedies; and terminations.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in business law/contracts (2/74).

AF-1408-0043

MEDICAL ADMINISTRATIVE SUPERVISOR

Course Number: *Version 1:* 3AAR90670-1. *Version 2:* AAR90670-1. *Version 3:* AAR90670. *Version 4:* AA90670.

Location: *Version 1:* Technical Training Center, Sheppard AFB, TX. *Version 2:* Medical Service School, Sheppard AFB, TX. *Version 3:* Medical Service School, Gunter AFB, AL. *Version 4:* School of Aviation Medicine, Gunter AFB, AL.

Length: *Version 1:* 6 weeks (180 hours). *Version 2:* 6 weeks (180 hours). *Version 3:* 8 weeks (287-289 hours). *Version 4:* 12 weeks (468 hours).

Exhibit Dates: *Version 1:* 2/71-12/73. *Version 2:* 7/67-1/71. *Version 3:* 1/62-6/67. *Version 4:* 6/55-12/61.

Objectives: To provide airmen with supervisory-level training in medical administration.

Instruction: Lectures on the planning and scheduling of administrative work in medical services activities, supervision of medical administrative personnel, conducting on-the-job training for medical administrative personnel, and the performance of technical, medical administrative functions.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in hospital and/or business administration (2/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in medical administration (12/68). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in medical administration (12/68). *Version 4:* In the upper-division baccalaureate category, 5 semester hours in medical administration (12/68).

AF-1408-0044

WEATHER CHIEF OBSERVER

Course Number: 3AZR25271.

Location: *Version 1:* School of Applied Aerospace Sciences, Chanute AFB, IL. *Version 2:* 3345th Technical School, Chanute AFB, IL.

Length: 6-7 weeks (210-280 hours).

Exhibit Dates: 7/72-12/73.

Objectives: To qualify airmen with prior training to perform as weather chief observers.

Instruction: Lectures and practical exercises in weather observation and station administration, including management of observation functions, weather radar scope camera, radar observation, supervision of weather equipment and communications functions, and driver training.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in management (5/74).

AF-1408-0045

PROGRAMS AND WORK CONTROL
TECHNICIAN (BEAMS)

Course Number: 2ASR55570.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 2 weeks (81 hours).

Exhibit Dates: 2/73-12/73.

Objectives: To train personnel to perform as programs and work control technicians.

Instruction: Lectures and practical exercises in programs and work control, including base civil engineer automated management system, remote-device operating procedures, BEAMS labor subsystem file maintenance, BEAMS work control subsystem file maintenance, BEAMS cost-accounting subsystem files, and BEAMS total programming subsystem file maintenance.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (7/74).

AF-1408-0046

CHAPEL MANAGEMENT TECHNICIAN
(Chapel Services Supervisor)

Course Number: 3AZR70170; AZR70170.

Location: *Version 1:* School of Applied Aerospace Science, Keesler AFB, MS. *Version 2:* 3380th Technical School, Keesler AFB, MS. *Version 3:* 3320th Technical School, Amarillo AFB, TX.

Length: 4-5 weeks (120-148 hours).

Exhibit Dates: 3/67-12/73.

Objectives: To train enlisted personnel to manage and administrate chapel facilities and resources.

Instruction: Lectures in chapel facilities management and administration, including written communications, records management, facilities scheduling and control, personnel supervision, problem-solving techniques, facilities and grounds maintenance, and financial planning.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1408-0047

COMMUNICATIONS-ELECTRONICS
PROGRAMMING (STAFF OFFICER)
(C-E Programming (Staff Officer))

Course Number: 3OZR3016-3.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 2 weeks (60 hours).

Exhibit Dates: 9/69-12/73.

Objectives: To train enlisted personnel in communications-electronics programming.

Instruction: Lectures in the understanding and use of communications-electronics programming. Course includes national and military planning, command process of planning, budgetary and military construction programs, manpower and defense communication agency, and communications-electronics implementation plans and exercises.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (4/74).

AF-1408-0048

COMMUNICATIONS-ELECTRONICS STAFF
OFFICER
(Communications-Electronics Officer)

Course Number: OAR3011; OA3011.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 25-34 weeks (870-1292 hours).

Exhibit Dates: 1/56-12/68.

Objectives: To train officers to operate and monitor communications-electronics programs and to formulate policies and procedures.

Instruction: Lectures and seminars in radioelectronics, staff management, wire and multiplexing systems, automatic data systems, supply and maintenance techniques, tactical and electronic warfare equipment, air defense systems, management principles, leadership, logistics management, communications techniques, and human relations.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in management principles, 3 in radio engineering (12/68).

AF-1408-0049

1. AIRCRAFT/AVIONICS MAINTENANCE
   STAFF OFFICER
   (Avionics Staff Officer)
2. AVIONICS STAFF OFFICER
3. AVIONICS MUNITIONS STAFF OFFICER
   (Armament Officer)
   (Advanced Armament Officer)

Course Number: *Version 1:* 3OAR4000; 3OAR3211. *Version 2:* 3OAR3211; OAR3211. *Version 3:* OAR3211.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 5-7 weeks (168-210 hours). *Version 2:* 9-10 weeks (270-300 hours). *Version 3:* 12-18 weeks (360-540 hours).

Exhibit Dates: *Version 1:* 2/70-12/73. *Version 2:* 2/65-1/70. *Version 3:* 1/54-1/65.

Objectives: To train commissioned officers to supervise aircraft and avionics maintenance units and armament control and support units.

Instruction: *All Versions:* Lectures and practical exercises in management principles, effective communication, logistics, resource management, systems development, and management informational systems. *Version 3:* Instruction includes weapons and armament systems development, employment, control, and support.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in principles of management (6/74). *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.*All Versions:* Credit is not recommended because of the military-specific nature of the course (12/68).

AF-1408-0050

COMMUNICATIONS-ELECTRONICS
PROGRAMS MANAGEMENT

Course Number: 3AZR29670.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 7 weeks (192-210 hours).

Exhibit Dates: 2/71-12/73.

Objectives: To train officers, civilians, and noncommissioned officers in communications-electronics planning, programming, and budgeting.

Instruction: Lectures and practical exercises in communications-electronics programs management, including planning and programming, manpower, and budgeting; construction planning; wire communications program; standard requirements; minor and administrative changes to communications-electronics support programs; minor change documentation; systems management and implementation; and C-E meteorological program implementation monitoring system.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-1408-0051

CONTRACT MANAGEMENT OFFICER

Course Number: 3OBR6531-4.

Location: School of Applied Aerospace Sciences, Lowry AFB, CO; 3415th Technical School, Lowry AFB, CO.

Length: 6-9 weeks (180-270 hours).

Exhibit Dates: 4/70-12/73.

Objectives: To train officers to perform as contract managers.

Instruction: Lectures and practical exercises in contract management. Course includes fundamentals of procurement and production, contract administrative responsibilities, development engineering, quality assurance procedures, production planning, evaluation of work statements, contractor's proposals in support of system procurement, and industrial preparedness planning.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in contract management or purchasing (6/74).

AF-1408-0052

Contract Management Officer

Course Number: 3OZR6531-2.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 3 weeks (90 hours).

Exhibit Dates: 7/70–12/73.

Objectives: To train personnel to serve as contract managers.

Instruction: Lectures and practical exercises in contract management. Course includes introduction to contract management, plant office contract management mission and organization, contract administration, development engineering, quality assurance administration, production and property administration, systems procurement support and negotiation, contract control system, and measurement and test critique.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in contract management (6/74).

AF-1408-0055

Publications Functions (Supervisor)

Course Number: 3AZR70270; AZR70270.

Location: 3380th Technical School, Keesler AFB, MS; 3320th Technical School, Keesler AFB, MS.

Length: 3 weeks (90 hours).

Exhibit Dates: 11/62–12/73.

Objectives: To train noncommissioned officers and civil service personnel to supervise publications operations, including filing, reproduction, distribution, and training of subordinates.

Instruction: Lectures and practical exercises in the supervision of publications operations. Course includes Air Force publications, publications preparation, reproduction, distribution, filing, control, management of reproduction and forms, publications functions supervision, and subordinate training.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (12/68).

AF-1408-0056

Disbursing Officer

Course Number: SS6774.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 3 weeks (90 hours).

Exhibit Dates: 4/58–12/68.

Objectives: To train officers qualified as accountants as disbursing officers, and to familiarize them with the operation and functions of finance offices.

Instruction: Lectures and practical exercises in duties of disbursing officers and in the operations and functions of finance offices, including finance activities relating to military pay and allowances, travel allowances, commercial accounts, disbursements and collections, and local procurement procedures and payments.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (12/68).

AF-1408-0057

Procurement and Production Officer Fundamentals

Course Number: 3OQR6500.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 6 weeks (180 hours).

Exhibit Dates: 6/69–12/73.

Objectives: To train enlisted personnel in procurement and production policies and procedures.

Instruction: Lectures and practical exercises in procurement and production policies and procedures. Topics include statutes and regulations governing; procurement; funding cycle; processing purchase requests; evaluation; procurement and production authorities and delegation; organization of a procurement function; formal advertising and negotiation; procurement ethics; types and kinds of contracts; contract award; products and services inspection; acceptance and payment; and production management.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in procurement management and methods (8/74).

AF-1408-0058

Laboratory Management of Research and Development

Course Number: 475.

Location: School of Systems and Logistics, Wright-Patterson AFB, OH.

Length: 3–7 weeks (90–210 hours).

Exhibit Dates: 7/69–6/74.

Objectives: To train enlisted personnel to manage research and development activities.

Instruction: Lectures and practical exercises in the management of research and development activities. Course includes instruction in the planning, programming, budgeting, controlling, evaluating, and procurement aspects of research and development.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in general management (8/74).

AF-1408-0059

Production Management

Course Number: 269.

Location: School of Systems and Logistics, Wright-Patterson AFB, OH.

Length: 7 weeks (232 hours).

Exhibit Dates: 4/70–6/74.

Objectives: To train enlisted personnel to manage production-procurement functions.

Instruction: Lectures and practical exercises in the management of production-procurement functions. Course includes an introduction to management principles, contracting, break-even analysis, value engineering, automatic data processing, economic order quantity and inventory control, program evaluation review techniques, and labor relations.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in production managemenent (8/74).

AF-1408-0060

System Program Management

Course Number: 570.

Location: School of Systems and Logistics, Wright-Patterson AFB, OH.

Length: 7–11 weeks (198–308 hours).

Exhibit Dates: 1/69–6/74.

Objectives: To train enlisted personnel in systems program management.

Instruction: Lectures and practical exercises in systems program management. Course includes an overview of the climate and environment for systems acquisition; policies, procedures and functional interrelationship governing their procedures; and role and responsibilities of using and participating commands and agencies supporting the program office.

Credit Recommendation: In the upper-division baccalaureate category, 5 semester hours in systems management (8/74).

AF-1408-0061

Budget Officer

Course Number: *All Versions:* 3OBR6731. *Version 2:* OAR6731; OA6731.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 10 weeks (300 hours). *Version 2:* 10–11 weeks (300–330 hours).

Exhibit Dates: *Version 1:* 10/68–12/73. *Version 2:* 12/55–9/68.

Objectives: To train personnel as budget officers.

Instruction: *All Versions:* Lectures and practical exercises in the duties of budget officers, including introduction to Air Force budgeting, and budget formulation. *Version 1:* Topics include Air Force financial planning systems; developing estimates of requirements; preparation of the budget for operations; Air Force financial management; development of financial plans; and administration. *Version 2:* Topics include preparation of wing/base budgets.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in budgeting and financial management (8/74). *Version 2:* In the upper-division baccalaureate category, 6 semester hours in finance and budget planning (12/68).

AF-1408-0062

Finance Supervisor

Course Number: SS67170-2.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 5 weeks (150 hours).

Exhibit Dates: 7/58–12/68.

Objectives: To train airmen and civilian personnel in the operation of Air Force finance activities.

Instruction: Lectures and practical exercises on Air Force finance activities, including introduction, finance procedures, military pay and allowances, travel allowances, commercial accounts, and disbursements and collections.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in finance and disbursing (12/68).

AF-1408-0063

Management Analysis Officer

Course Number: *Version 1:* 3OBR6921. *Version 2:* 3OBR6921; OBR6891. *Version 3:* OA6891. *Version 4:* OAR6891; OA6891; OA6741. *Version 5:* OAR6891; OA6891; OA6741.

Location: *Version 1:* 3750th Technical School, Sheppard AFB, TX. *Version 2:* 3750th Technical School, Sheppard AFB, TX. *Version 3:* 3750th Technical School, Sheppard AFB, TX. *Version 4:* 3750th Technical School, Sheppard AFB, TX. *Version 5:* 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 9 weeks (270 hours). *Version 2:* 10 weeks (300 hours). *Version 3:* 6 weeks (180 hours). *Version 4:* 10–11 weeks (300–330 hours). *Version 5:* 10–11 weeks (300–330 hours).

Exhibit Dates: *Version 1:* 7/70–12/73. *Version 2:* 1/67–6/70. *Version 3:* 7/64–12/66. *Version 4:* 4/54–6/64. *Version 5:* 4/54–6/64.

Objectives: To train officers as management analysis officers.

Instruction: *All Versions:* Lectures and practical exercises in applied management analysis. *Version 1:* Topics include introduction to analysis, descriptive statistics, inferential statistics, performance evaluation, forecasting techniques, trend analysis, program analysis, and financial analysis. *Version 2:* Topics include preparation for analysis, introduction to data automation, and analytical techniques of management science. *Version 3:* Topics include preparation for analysis, introduction to data automation, and analytical techniques and management science. *Version 4:* Topics include preparation for analysis, source data and analytical processes, and managerial accounting. *Version 5:* Topics include preparation for analysis, source data and analytical processes, and managerial accounting.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 6 semester hours in principles of management (8/74). *Version 2:* In the upper-division baccalaureate category, 5 semester hours in applied management analysis, 4 in management control systems (12/68). *Version 3:* In the upper-division baccalaureate category, 1 semester hour in oral and written communication, 2 in managerial statistics, 3 in management control systems (12/68). *Version 4:* In the upper-division baccalaureate category, 1 semester hour in oral and written communication, 5 in financial analysis, 3 in applied management analysis (12/68). *Version 5:* In the upper-division baccalaureate category, 1 semester hour in oral and written communication, 5 in financial analysis, 3 in applied management analysis (12/68).

AF-1408-0064

Special Services Officer

Course Number: 3OBR7341.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS.

Length: 4 weeks (138 hours).

Exhibit Dates: 6/73–12/73.

Objectives: To train officers to perform functions of special services officers.

Instruction: Lectures and practical exercises in the functions and duties of special service officers. Course includes management of special services activities, budgeting, control of funds, and training methods.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in principles of management (8/74).

AF-1408-0065

Finance Supervisor

Course Number: AA67170.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 13 weeks (390 hours).

Exhibit Dates: 2/55–12/68.

Objectives: To train personnel as finance supervisors.

Instruction: Lectures and practical exercises in the duties of finance supervisors, including finance office management, military pay, travel allowances, commercial accounts, accounting for public funds, and finance office administration.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours as an elective in disbursing and finance (12/68).

AF-1408-0066

Administrative Supervisor

Course Number: AA70270.

Location: 3450th Technical School, Warren AFB, WY.

Length: 6–8 weeks (180–240 hours).

Exhibit Dates: 6/54–12/68.

Objectives: To train enlisted personnel for administrative positions.

Instruction: Lectures and practical exercises in publications, correspondence, directives, postal activities, and administrative responsibilities.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (8/74).

AF-1408-0067

Administration Management/Executive Support
(Administration Management and Executive Support Officer)

Course Number: 3OBR7000.

Location: 3380th Technical School, Keesler AFB, MS; School of Applied Aerospace Sciences, Keesler AFB, MS.

Length: 7 weeks (210–254 hours).

Exhibit Dates: 1/72–12/73.

Objectives: To train commissioned officers to manage executive support functions.

Instruction: Lectures and practical exercises in the management of executive support functions. Course includes administrative policies and procedures, communications, resources management, personnel management, human relations, and performance rating systems.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in principles of management (8/74).

AF-1408-0068

Health Services Administration—Advanced

Course Number: 3OAR9025.

Location: School of Health Care Sciences, Sheppard AFB, TX.

Length: 20 weeks (600 hours).

Exhibit Dates: 1/72–12/73.

Objectives: To train selected career Medical Service Corps officers for administrative/management positions in all areas of health services administration.

Instruction: Lectures and practical exercises in management skills and techniques, economics and statistics, behavioral sciences, and principles of health services and hospital administration.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in health economics, 1 in government, 4 in management principles, 3 in behavioral sciences, 2 in statistics, 10 in hospital administration (6/75).

AF-1408-0069

Procurement Specialist

Course Number: 3ABR65130-1; ABR65130; ALR65130.

Location: 3415th Technical School, Lowry AFB, CO; 3320th Technical School, Amarillo AFB, TX.

Length: 7–8 weeks (210 hours).

Exhibit Dates: 7/61–12/73.

Objectives: To train airmen in the duties of procurement specialists.

Instruction: Lectures and practical exercises in procurement terminology, publications, and organization. Specific topics include: purchase requests; contract negotiation and administration; and bid procedures.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in procurement or purchasing (12/68).

AF-1409-0001

Morse Operator, Preparatory
(Intercept Operator (Preparatory))
(Non-Morse Intercept Operator Preparatory)

Course Number: 3AQR29222; AQR29222.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 13–14 weeks (36–39 hours).

Exhibit Dates: 6/62–12/73.

Objectives: To train enlisted personnel in the operation of Morse coders.

Instruction: Practical exercises in typing, transcribing Morse code, electronic principles, radio operation, and recorders.

Credit Recommendation: In the upper-division baccalaureate category, credit in typing on the basis of institutional evaluation (12/68).

AF-1409-0002

Chaplain Services Specialist

Course Number: *Version 1:* 3ABR70130-1. *Version 2:* ABR70130-1; ABR70130. *Version 3:* ABR70130; ABR70130-1. *Version 4:* AB70330.

Location: *Version 1:* 3320th Technical School, Amarillo AFB, TX. *Version 2:* 3320th Technical School, Amarillo AFB, TX. *Version 3:* 3275th Technical School, Lackland AFB, TX. *Version 4:* 3450th Technical School, Warren AFB, WY.

Length: *Version 1:* 8 weeks (158 hours). *Version 2:* 8–10 weeks (210–240 hours). *Version 3:* 8–10 weeks (210–240 hours). *Version 4:* 10–11 weeks (270–300 hours).

Exhibit Dates: *Version 1:* 5/68–12/73. *Version 2:* 5/59–4/68. *Version 3:* 5/59–4/68. *Version 4:* 5/55–4/59.

Objectives: To train enlisted personnel as chaplain services specialists.

Instruction: Lectures and practical exercises in administration, records managment, chaplain fund accounting, written communications, typing.

Credit Recommendation: In the upper-division baccalaureate category, credit in typing on the basis of institutional evaluation (12/68).

AF-1409-0004

Communications Center Specialist

Course Number: *Version 1:* 3ABR29130; ABR29130. *Version 2:* ABR29130; AB29130.

Location: *Version 1:* 3750th Technical School, Sheppard AFB, TX. *Version 2:* 3450th Technical School, Warren AFB, WY.

Length: *Version 1:* 10–13 weeks (300–400 hours). *Version 2:* 11–12 weeks (300–330 hours).

Exhibit Dates: *Version 1:* 1/59–12/73. *Version 2:* 8/54–12/58.

Objectives: To train airmen to be apprentice communications center specialists.

Instruction: Lectures and practical exercises in teletypewriting; communications security practices; torn-tape relay and cryptographic equipment operation; and narrative and data message processing, transmitting, and receiving procedures.

Credit Recommendation: In the upper-division baccalaureate category, credit in typing on the basis of institutional evaluation (12/68).

AF-1511-0001

1. Air Command and Staff College
2. Air Command and Staff College
3. Command and Staff College (Command and Staff School)
4. Command and Staff Course

Course Number: None.

Location: Air University, Maxwell AFB, AL.

Length: *Version 1:* 40 weeks (1600 hours). *Version 2:* 39–40 weeks (1579–1860 hours). *Version 3:* 38–39 weeks. *Version 4:* 43 weeks (1280 hours).

Exhibit Dates: *Version 1:* 8/70–Present. *Version 2:* 8/62–7/70. *Version 3:* 8/55–7/62. *Version 4:* 7/54–7/55.

Objectives: To train officers in the factors affecting national behavior and policy formation, in military management processes, and in military subjects, including employment of aerospace power.

Instruction: Lectures, seminars, readings, and student research in the factors affecting national behavior and policy formation, in military management processes, and in military subjects, including the employment of aerospace power.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 30 semester hours (to be apportioned by the receiving institution) in the areas of international relations, political science, economics, management, and research (8/74); in the graduate degree category, 3 semester hours in international relations, 3 in management, 0–6 in research, 3 in international relations electives, 3 in management electives. NOTE: Credit recommendation is based on an on-site evaluation. Credit granted for thesis should be contingent on the graduate school's evaluation of the research paper. *Version 2:* In the upper-division baccalaureate category, 6 semester hours in business organization and management, 2 in political science, 3 in international relations, and credit in written and oral communication on the basis of institutional evaluation (8/74); in the graduate degree category, 0–6 semester hours in public administration or in the field of thesis (8/74). NOTE: Credit granted for thesis should be contingent on the graduate school's evaluation of the research paper. *Version 3:* In the upper-division baccalaureate category, 6 semester hours in business organization and management, 2 in political science, 3 in international relations, and credit in written and oral communication on the basis of institutional evaluation (12/68). *Version 4:* In the upper-division baccalaureate category, 6 semester hours in business organization and management, 3 in political science and international relations (12/68).

AF-1511-0002

Air Command and Staff Nonresident Seminar Program

Course Number: None.

Location: Air Command and Staff College, Maxwell AFB, AL.

Length: 104 weeks.

Exhibit Dates: 8/70–Present.

Objectives: To train officers in national and international factors influencing U.S. security policy and free world stability, and in the factors influencing the development and use of military forces in the support of national security policy.

Instruction: Seminars, readings, and student research in national and international factors influencing U.S. security policy and free world stability, and in the factors influencing the development and use of military forces in the support of national security policy.

Credit Recommendation: In the upper-division baccalaureate category, 24 semester hours in the areas of social science and personnel management (8/74); in the graduate degree category, for students who have completed the program with a rating of Outstanding or Excellent, 4 semester hours in international relations, 2 in personnel management (8/74). NOTE: It is suggested that an institution delay awarding credit until the student has successfully completed one semester of graduate work. This course is offered at various locations under the administration of the Air University, Maxwell AFB. Distribution of course materials and the transcript service are handled by the Extension Course Institute (ECI).

AF-1511-0003

Air Command and Staff Correspondence Program

Course Number: None.

Location: Air Command and Staff College, Maxwell AFB, AL.

Length: 104 weeks.

Exhibit Dates: 8/70–Present.

Objectives: To train officers in factors affecting the national behavior and policy formation, in military management processes, and in military subjects, including employment of aerospace power.

Instruction: Individualized readings and student research in factors affecting national behavior and policy formation, in military management processes, and in military subjects including employment of aerospace power. The correspondence program is based on the resident course (AF-1511-0001) and is divided into four course blocks: Military Environment, Command and Management, and Military Employment, Part I and Part II.

Credit Recommendation: In the upper-division baccalaureate category, 15 semester hours in social sciences and personnel management (8/74); in the graduate degree category, for students who have completed the program with a rating of Satisfactory, 3 semester hours in international relations (8/74). NOTE: It is suggested that an institution delay awarding graduate credit until the student has successfully completed one semester of graduate work. This course is offered at various locations under the administration of the Air University, Maxwell Air Force Base. Distribution of course materials and the transcript service is handled by the Extension Course Institute (ECI).

AF-1511-0004

Air War College Nonresident Seminar Program

Course Number: None.

Location: Air War College, Maxwell AFB, AL.

Length: 104 weeks.

Exhibit Dates: 8/70–Present.

Objectives: To train officers in the principles of military strategy and national security policy for development and employment of aerospace power.

Instruction: Seminars, readings, and student research in principles of military strategy and national security policy for development and employment of aerospace power, including nature of national power and its application in the nation-state system; changing nature of U.S. society and its interrelationship with national security; current and potential threats to U.S. security; determinants of U.S. national security policy; formulation and implementation of the policies; allocation and management of defense resources; military management and decision-making; impact of science and technology on weapon systems, military concepts, doctrine, and strategy; causes, nature, and purposes of armed conflict; U.S. military concepts and strategy, and processes by which they are formulated and implemented; role of deterrence, arms control, and other strategies for achieving and maintaining international order and stability; development and evaluation of aerospace concepts for national security; and evaluation of present and potential strategies, capabilities, and vulnerabilities of the U.S., its allies, and potentially hostile countries.

Credit Recommendation: In the upper-division baccalaureate category, 24 semester hours in the areas of political science, international relations and government, and personnel management (8/74); in the graduate degree category, for students who have completed the program with a rating of Outstanding or Excellent, 4 semester hours in international relations, 2 in personnel management (8/74). NOTE: It is suggested that an institution delay awarding graduate credit until the student has successfully completed one semester of graduate work. This course is offered at various locations under the administration of Air War College, Maxwell Air Force Base. Distribution of course materials and the transcript service are handled by the Extension Course Institute (ECI). until the student until the student

AF-1511-0005

Air War College Correspondence Program

Course Number: None.

Location: Air War College, Maxwell AFB, AL.

Length: 104 weeks.

Exhibit Dates: 8/70–Present.

Objectives: To train senior officers in principles of military strategy and national security policy for development and employment of aerospace power.

Instruction: Seminars and individualized readings and student research in principles of military strategy for national security policy for development and employment of aerospace power, including nature of national power and its application in the nation-state systems; changing nature of U.S. society and its interrelationships with national security; current and potential threats to U.S. security; determinants of U.S. national security policy, formulation and implementation of the policies; allocation and management of defense resources; military management and decision-making; impact of science and technology on weapon systems, military concepts, doctrine, and strategy; causes, nature, and purposes of armed conflict; U.S. military concepts and strategies, and processes by which they are formulated and implemented; role of deterrence, arms control, and other strategies for achieving and maintaining international order and stability; development and evaluation of aerospace concepts for national security; and evaluation of present and potential strategies, capabilities, and vulnerabilities of the U.S., its allies, and potentially hostile countries.

Credit Recommendation: In the upper-division baccalaureate category, 24 semester hours in the areas of political science, international relations and government, and personnel management (8/74); in the graduate degree category, for students who have completed the program with a rating of Outstanding or Excellent, 4 semester hours in international relations, 2 in personnel management (8/74). NOTE: It is suggested that an institution delay awarding graduate credit until the student has successfully completed one semester of graduate work. This course is offered at various locations under the administration of Air War College, Maxwell Air Force Base. Distribution of course materials and the transcript service is handled by the Extension Course Institute (ECI).

AF-1511-0006

1. Air War College
2. Air War College
3. Air War College
4. Air War College
   (War College)

Course Number: None.

Location: Air University, Maxwell AFB, AL.

Length: *Version 1:* 40 weeks (1600 hours). *Version 2:* 43 weeks (1076–1600 hours). *Version 3:* 43 weeks (1586–1608 hours). *Version 4:* 43 weeks (1575–1618 hours).

Exhibit Dates: *Version 1:* 8/70–Present. *Version 2:* 8/66–7/70. *Version 3:* 8/63–7/66. *Version 4:* 7/54–7/63.

Objectives: To train senior officers in military strategy in support of national security policy for the development and employment of aerospace power.

Instruction: Lectures, readings, and student research and discussion in military strategy in support of national security policy for the development and employment of aerospace power.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 30 semester hours (to be distributed by the receiving institution) in the areas of international relations, political science, economics, management, and research (8/74); in the graduate degree category, 6 semester hours in international relations, 6 in management, 0–6 in research training; additionally, 3 semester hours of graduate credit may be granted for completion of any two of the following elective courses: History of Military Thought, The Soviet Union, Communist China, Politics and Government of Emerging Nations, Economics of National Defense, Human Relations in Administration, and Quantitative Analysis (8/74). NOTE: Credit recommendation is based on an on-site evaluation. Credit granted for research papers should be contingent upon the graduate school's evaluation of the thesis. Recommendations are maximum figures. The amount actually accepted for transfer depends upon the applicant's future academic goals and the regulations of the admitting institution on transfer credit. *Version 2:* In the upper-division baccalaureate category, 6 semester hours in political science (including international relations), 9 in business organization and management (planning and leadership), 3 in social science survey, and credit in oral and written communications on the basis of institutional evaluation (8/74); in the graduate degree category, 6 semester hours in a one-year M.A. program in the field of international relations or in the field of thesis research (8/74). NOTE: Credit granted for theses should be contingent upon the graduate school's evaluation of the research paper for an indication of the extent and depth of the student's reading, seminar, and research work during the course of instruction. *Version 3:* In the upper-division baccalaureate category, 6 semester hours in social science survey, 6 in political science (including international relations), 3 in recent history, 3 in economics, 3 in business organization and management (planning and leadership), and credit in oral and written communication on the basis of institutional evaluation (12/68). *Version 4:* In the upper-division baccalaureate category, 6 semester hours in social science survey, 6 in political science (including international relations), 3 in recent history, 3 in economics, 3 in business organization and management (planning and leadership) (12/68).

AF-1512-0001

Pilot Instructor Training, Primary (T-34/T-28)

Course Number: F112103P-1.

Location: Air Training Command, Craig AFB, AL.

Length: 8 weeks (275 hours).

Exhibit Dates: 7/54–7/59.

Objectives: To qualify Air Force and civilian pilots as flight training instructors.

Instruction: Lectures and practical exercises in flight training, including techniques of instructing (dual contact and dual instrument); practice teaching (team contact and team instrument); aircraft familiarization and visual flying; analysis of contact maneuvers; aerodynamics and theory of flight; engineering; radio aids; flight planning; navigation and instruments; instrument flying and tactical maneuvers.

Credit Recommendation: In the upper-division baccalaureate category, credit in instructional methods on the basis of institutional evaluation (12/68).

AF-1512-0002

Military Training Instructor

Course Number: *Version 1:* 3AIR99128. *Version 2:* 3AIR99128. *Version 3:* AIR99128.

Location: *Version 1:* School of Military Sciences, Airman, Lackland AFB, TX. *Version 2:* 3720th Base Military School, Lackland AFB, TX. *Version 3:* 3275th Technical School, Lackland AFB, TX.

Length: *Version 1:* 9 weeks (320 hours). *Version 2:* 4–9 weeks (200–320 hours). *Version 3:* 5 weeks (138 hours).

Exhibit Dates: *Version 1:* 7/73–12/73. *Version 2:* 12/67–6/73. *Version 3:* 2/62–11/67.

Objectives: To train selected enlisted personnel to perform as military training instructors with minimum on-the-job training.

Instruction: *All Versions:* Lectures and practical exercises in the principles, mehtods, and techniques of instruction; identification of trainee emotional, mental and drug problems; evaluation procedures; and drill and ceremonies. *Version 1:* Topics include counseling techniques.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in educational psychology and 3 in instructional methods (7/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in instructional methods (12/68). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in instructional methods (12/68).

AF-1512-0003

Drug Education and Counseling

Course Number: 3OZR0008.

Location: Lackland Technical Training Center, Lackland AFB, TX.

Length: 4 weeks (160 hours).

Exhibit Dates: 6/72–12/73.

Objectives: To train selected officers and enlisted personnel to perform drug education and counseling duties at military installations.

Instruction: Lectures and practical exercises in drug education and counseling duties. Topics include history and scope of the drug problem; pharmacological, psychological, cultural, and legal aspects of drug useage; approaches to counseling and treatment; military policies and directives; program and community resources and constructive alternatives; educational and rehabilitative program models; local program development; communication techniques; program and resource evaluation; and follow-up training.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in psychology or group dynamics, 2 in introduction to drug and alcohol abuse, and 3 in drug abuse program development and evaluation (8/74).

AF-1513-0001

Human Relations Advisor

Course Number: 2OSR0009.

Location: Lackland Technical Training Center, Lackland AFB, TX.

Length: 2 weeks (60 hours).

Exhibit Dates: 5/72–12/73.

Objectives: To train officers and airmen as human relations advisors.

Instruction: Lectures and practical exercises in the duties of installation human relations advisors, including design, development, conduct, and evaluation of human relations program; cultural imprint awareness; cross-cultural differences and difficulties; psychology of prejudice; sociology of ethnic groups; educational models; counseling and arbitration; and the dynamics of group processes.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in cultural sociology (7/74).

AF-1513-0002

Senior Chaplain

Course Number: None.

Location: Chaplain School, Maxwell AFB, AL.

Length: 3 weeks (99 hours).

Exhibit Dates: 1/74–Present.

Objectives: To assist senior chaplains in developing awareness and obtaining skills to perform the duties of Senior Pastor.

Instruction: Lectures and practical exercises in communication, human relations, professional growth, social action, and the pastoral role.

Credit Recommendation: Credit is not recommended because of the professional nature of the course (6/75).

AF-1513-0003

Chaplain Orientation

Course Number: None.

Location: Chaplain School, Maxwell AFB, AL.

Length: 5 weeks (171 hours).

Exhibit Dates: 11/73–Present.

Objectives: To introduce chaplains to the Air Force for the purpose of assisting their transition from civilian to military status.

Instruction: Lectures and practical exercises in the administration of the Air Force chapel program and pastoral care.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (6/75).

AF-1513-0004

Advanced Chaplain

Course Number: None.

Location: Chaplain School, Maxwell AFB, AL.

Length: 3 weeks (109 hours).

Exhibit Dates: 7/73–Present.

Objectives: To prepare middle-grade chaplains for increased leadership and responsibility.

Instruction: Lectures and practical exercises in chapel program management, team building, and leadership.

Credit Recommendation: Credit is not recommended because of the professional nature of the course (6/75).

AF-1601-0001

Production Control

Course Number: ALR45130; AL45130; AL80270.

Location: 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 12 weeks (360 hours). *Version 2:* 14 weeks (420 hours).

Exhibit Dates: *Version 1:* 2/58–12/68. *Version 2:* 10/54–1/58.

Objectives: To train personnel in the production control functions of aircraft maintenance, motor vehicle maintenance, ground equipment maintenance, installations engineering maintenance, and depot maintenance.

Instruction: Discussions and practical exercises in production control theory, functions, and mathematics; estimating theory and techniques; maintenance production analysis; and scheduling theory and techniques.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in business organization and management (12/68).

AF-1601-0002

Liquid Fuel Systems Maintenance
Specialist/Technician (SM-65F)

Course Number: ATS54670D-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 12 weeks (360 hours).

Exhibit Dates: 9/61–12/68.

Objectives: To train personnel to inspect, troubleshoot, and maintain the cryogenic, pneumatic, and fuel-transfer systems used in support of the SM-65F missile.

Instruction: Lectures and practical exercises on the cryogenic, pneumatic, and fuel-transfer systems used in support of the SM-65F missile, including weapon system familiarization; propellant loading and pneumatic systems familiarization and operation; operation of liquid oxygen system; operation, inspection, and maintenance of system components and instruments; procedures for cleaning, inspecting, calibrating, and packaging components; and operation and maintenance of cryogenic storage tanks and vacuum pumps.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1601-0003

Liquid Fuel System
Specialist/Technician, SM-68A

Course Number: ATS54650E-3; ATS56850B-10.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 12 weeks (360 hours).

Exhibit Dates: 6/61–12/68.

Objectives: To train personnel to inspect, troubleshoot, and maintain the cryogenic, pneumatic, and fuel transfer systems used in support of the SM-68A missile.

Instruction: Lectures and practical exercises in inspection and maintenance of the cryogenic, pneumatic, and fuel transfer systems used in support of the SM-68A missile, including operation of clean rooms; cryogenic, pneumatic, and fuel test stands; nitrogen recharger; and helium compressor; and safety methods and procedures pertaining to liquid fuel system maintenance.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1601-0004

Cryogenic Fluids Production
Specialist (25-Ton Plant)

Course Number: ABR54430Y.

Location: 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 12-15 weeks (420-437 hours). *Version 2:* 19 weeks (540 hours).

Exhibit Dates: *Version 1:* 10/64–12/66. *Version 2:* 12/61–9/64.

Objectives: To train enlisted personnel to operate, maintain, and troubleshoot the cryogenic fluid unit.

Instruction: Lectures and practical exercises in air processing equipment operation and maintenance, air separator and storage container operation and maintenance, continuous liquid/gaseous oxygen-nitrogen plant operation studies and on-the-job training, 5-ton/day oxygen-nitrogen generating plant operation and maintenance, air compressors operation and maintenance, purity analyzers, and oxygen-nitrogen defrost procedures.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* Insufficient data for evaluation (6/74).

AF-1601-0005

Fuel Specialist (SM-68B)

Course Number: ATS64350B-5.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 5 weeks (150 hours).

Exhibit Dates: 2/62–12/68.

Objectives: To train personnel to receive, issue, and deliver propellants and gases.

Instruction: Lectures and practical exercises on the handling, transporting, and transferring of propellants and gases, including operation and maintenance of fuel and oxidizer transports; waste propellant disposal trailer and gas tube trailer; safety precautions in handling, transporting, and transferring propellants; utilizing protective clothing and equipment; handling and transport of aerozine and nitrogen tetroxide; disposal of waste propellants; use of high-pressure gases; and safety practices.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1601-0006

1. Liquid Fuel Systems Maintenance Specialist (Conventional Fuel)
2. Liquid Fuel Systems Maintenance Specialist (Conventional Fuel)
3. Petroleum Systems Maintenance Specialist

Course Number: *Version 1:* 3ABR54630-1; 3ABR54630. *Version 2:* ABR54630; ABR54630W; ABR56830A. *Version 3:* AB56830.

Location: *Version 1:* School for Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL. *Version 2:* 3320th Technical School, Amarillo AFB, TX. *Version 3:* 3320th Technical School, Amarillo AFB, TX.

Length: *Version 1:* 7-9 weeks (216-240 hours). *Version 2:* 7-8 weeks (180 hours). *Version 3:* 10 weeks (240 hours).

Exhibit Dates: *Version 1:* 10/69–12/73. *Version 2:* 10/60–9/69. *Version 3:* 6/58–9/60.

Objectives: To teach fundamentals of hydraulics.

Instruction: Lectures and practical exercises in fundamentals of basic hydraulics and electricity, fabrication of piping and tubing assemblies, repair and maintenance of hydraulic component parts, and industrial safety in handling high-pressure liquids.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in applied hydraulics, mechanical systems, and/or fluid power, 1 in industrial safety (7/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in applied hydraulics, mechanical systems, and/or fluid power, 1 in industrial safety (7/74). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in applied hydraulics, mechanical systems, and/or fluid power, 1 in industrial safety (7/74).

AF-1601-0007

Liquid Fuel System Maintenance
Specialist/Technician SM-68B

Course Number: ATC54650F-1; ATS54650F-2.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 12 weeks (360 hours).

Exhibit Dates: 11/61–12/68.

Objectives: To train personnel experienced in the use and handling of unconventional fuels to perform as a liquid fuel system maintenance specialist/technician.

Instruction: Lectures and practical exercises on the operation and maintenance of guided missile propellant storage, transport and transfer equipment, including squadron organization and maintenance concepts, weapon system familiarization, weapon system safety and propellant hazards, fuel and oxidizer transport trailers and holding tanks, conditioning trailer, propellant waste disposal trailer, hardstand waste and drainage system, and operation and maintenance of electrical and pneumatic valves.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1601-0008

Fuel Specialist (Unconventional Fuels)

Course Number: ATS64350B-4.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 4 weeks (120 hours).
Exhibit Dates: 7/59–12/68.
Objectives: To train personnel to operate and maintain liquid nitrogen, liquid oxygen and compressed gas transfer trailers.
Instruction: Lectures and practical exercises in the handling, transfer, and storage of propellants, including the operation, maintenance, and minor repair of liquid nitrogen, liquid oxygen and compressed-gas transfer trailers, unconventional fuel handling equipment and other related items; cryogenics of liquid oxygen; hazards and safety precautions; organization and function of the unconventional fuel section; and purpose and operation of gas trailers, compressors, and recovery equipment.
Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1601-0009

1. Cryogenic Fluids Production Specialist Technician (25 Ton)
2. Gas Generator Plant Operator/Technician (25 Ton)

Course Number: ATS56250-5.
Location: 3345th Technical School, Chanute AFB, IL.
Length: *Version 1:* 8 weeks (240 hours). *Version 2:* 12 weeks (360 hours).
Exhibit Dates: *Version 1:* 12/60–12/68. *Version 2:* 2/60–11/60.
Objectives: To train enlisted personnel to troubleshoot and maintain an oxygen-nitrogen generating plant.
Instruction: *All Versions:* Lectures and practical exercises in oxygen-nitrogen plant troubleshooting and maintenance, including introduction to 25 Ton oxygen-nitrogen generator, air-compressing and -cooling equipment operation and maintenance, and air processing equipment operation and maintenance. *Version 2:* Instruction includes continuous plant operation.
Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1601-0010

Fuel Specialist

Course Number: ATS64350A-1.
Location: 3320th Technical School, Amarillo AFB, TX.
Length: 5 weeks (150 hours).
Exhibit Dates: 7/59–12/68.
Objectives: To train personnel to perform as fuel specialists.
Instruction: Lectures and practical exercises on the management of fuels, including administration and accounting, quality control and fuel testing, operation and operator maintenance of fixed storage and dispensing systems, bulk storage tank farms, mobile servicing equipment, safety, and the F-6, F-7, MJ-1, and MK-1 (oil) servicing units.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1601-0011

Liquid Fuel Systems Maintenance Technician (Conventional Fuel)

Course Number: *Version 2:* 3AAR54670-1. *Version 3:* AAR54670W.
Location: *Version 1:* 3345th technical school, Chanute AFB, IL. *Version 2:* 3345th Technical School, Chanute AFB, IL. *Version 3:* 3320th Technical School, Amarillo AFB, TX.
Length: *Version 1:* 6 weeks (180 hours). *Version 2:* 4 weeks (134 hours). *Version 3:* 6 weeks (180 hours).
Exhibit Dates: *Version 1:* 12/73–7/71. *Version 2:* 6/71–12/73. *Version 3:* 1/62–6/73.
Objectives: To train liquid fuel systems maintenance specialists to troubleshoot, adjust, maintain, and repair bulk storage and dispensing systems for conventional fuels.
Instruction: *All Versions:* Lectures and practical exercises in safe and proper receipt and handling of fuel storage and dispensing equipment, and fuel systems test equipment troubleshooting and maintenance. *Version 1:* Includes receiving, dispensing and storage of military fuels; quality control techniques; basic physics and chemistry, electricity; fuel transfer system and components and tank design. *Version 3:* Instruction includes hydraulic principles, measurement of hydraulic systems values, and pneumatics.
Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 2 semester hours in hydraulics or materials handling (7/74) *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1601-0012

Cryogenic Fluids Production Specialist (1 1/2 Ton/Day and 5 Ton/Day Plants)
(Cryogenic Fluids Production Specialist (1 1/2 Ton/Day Plant))

Course Number: 3AZR54430.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 5–6 weeks (150–168 hours).
Exhibit Dates: 4/68–12/73.
Objectives: To train personnel to perform as cryogenic fluids production specialists in 1 1/2 ton/day and 5 ton/day plants.
Instruction: Lectures and practical exercises in systems operation of the 1 1/2 ton/day and 5 ton/day cryogenic fluids generating plant, including the continuous operation of the 1 1/2 ton/day plant; maintenance of electrical equipment, air compressor, water cooling system, and product pump; and fundamental operation and fluid flow through the 5 ton/day oxygen/nitrogen generating plant.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1601-0013

Fundamentals of Liquid Fuel Systems Maintenance

Course Number: AQR54620.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 8 weeks (210 hours).
Exhibit Dates: 6/62–12/68.
Objectives: To train enlisted personnel to maintain guided missile liquid propellant systems at the apprentice level.
Instruction: Lectures and practical exercises in the fundamentals of liquid fuel systems maintenance, including liquid propellant system component maintenance, system familiarization; operation, maintenance, and pressure testing of needle and globe valves; operation and maintenance of gate, plug, check, and pop safety valves; operation and maintenance of automatic flow control valves; and processing of missile components through cleaning facilities.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1601-0014

Liquid Fuel Systems Maintenance Specialist (LGM-25C)

Course Number: ALR54630F.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 8 weeks (240 hours).
Exhibit Dates: 2/65–12/68.
Objectives: To train personnel to perform as liquid fuel systems maintenance specialists.
Instruction: Lectures and practical exercises on liquid fuel systems maintenance, including operation and maintenance of manual, safety, and automatic valves; operation and maintenance of flanges, disconnects, and hoses; component decontamination, cleaning and inspection; propellants, hazards, protective clothing and equipment; processing components through decontamination and cleaning facilities; operation and maintenance of waste propellant disposal trailer and aerospace ground equipment; propellant transfer systems; and integrated operation and maintenance of propellant transfer systems.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1601-0015

Liquid Oxygen Generation Plant Operation and Maintenance (25 Ton/D)

Course Number: ADS56250-1.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 10 weeks (400 hours).
Exhibit Dates: 4/60–12/68.
Objectives: To train personnel in the operation and maintenance of the 25 ton/day liquid oxygen plant.
Instruction: Lectures and practical exercises on the operation and maintenance of the 25 ton/day liquid oxygen plant, including properties of air, separation of gases and general familiarization with oxygen plants, general description of components and flow cycle, theory and principle of operation of the diesel engine, refrigeration equipment, expansion engine, air separation, liquid oxygen and nitrogen pumps, and operational procedures.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1601-0016

1. Cryogenic Fluids Production Specialist
2. Gas Generating Plant Operator

Course Number: *Version 1:* 3ABR54430-1; ABR54430; ABR56230; ABR54430Z. *Version 2:* AB56230.

Location: *Version 1:* 3345th Technical School, Chanute AFB, IL. *Version 2:* 3450th Technical School, Warren AFB, WY.

Length: *Version 1:* 11-12 weeks (330-437 hours). *Version 2:* 10-11 weeks (288-300 hours).

Exhibit Dates: *Version 1:* 12/60-12/73. *Version 2:* 3/54-11/60.

Objectives: To train enlisted personnel to perform as cryogenic fluids production specialists for work in oxygen or nitrogen generating plants.

Instruction: Lectures and practical exercises in the layout, installation, operation, and operator maintenance of oxygen/nitrogen generating plants and related equipment, including introduction to cryogenic fluids production; operation of portable oxyacetylene welding equipment; operation and maintenance of air processing equipment; components and flow; operation and maintenance of air separator and cryotainers; and continuous plant operation.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1601-0017

Cryogenic Fluids Production Specialist

Course Number: ALR54430.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 7 weeks (330 hours).

Exhibit Dates: 8/65-12/68.

Objectives: To train enlisted personnel to perform as cryogenic fluids production specialists for work in oxygen or nitrogen generating plants.

Instruction: Lectures and practical exercises on the layout, installation, operation, and operator maintenance of oxygen/nitrogen generating plants and related equipment, including introduction to cryogenic fluids production; operation of portable oxyacetylene welding equipment; operation and maintenance of air processing equipment; components and flow; operation and maintenance of air separator and cryotainers; and continuous plant operation.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1601-0018

Cryogenic Fluids Production Specialist Technician (25 Ton)

Course Number: ADS56250-302.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 4 weeks (160 hours).

Exhibit Dates: 1/61-12/68.

Objectives: To train personnel to perform as cryogenic fluids production specialist technicians.

Instruction: Lectures and practical exercises on cryogenic fluids production, including preliminary start-up and check-out, complete plant defrost, continuous plant operation and troubleshooting, performing cool-down, obtaining liquid levels and required purity, producing liquid oxygen and/or nitrogen, filling trailers with products, and preparing the unit for storage.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1601-0019

Liquid Fuel System Specialist/Technician (SM-65)

Course Number: ATS56850B-1; ATS56850-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 12-13 weeks (360-390 hours).

Exhibit Dates: 1/60-12/68.

Objectives: To train enlisted personnel to operate and maintain a guided missile propellant transfer system.

Instruction: Lectures and practical exercises in guided missile propellant transfer system operation and maintenance, including storage and safety precautions for liquid oxygen and liquified and high-pressure gases; operation, troubleshooting, and component replacement of liquid oxygen and fuel transfer systems; and use of specialized instruments in troubleshooting and repair; and storage and transfer of liquid nitrogen and high-pressure helium.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1601-0020

Field Analysis of Cryogenic Liquids and Gases

Course Number: ATS64350B-8.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 3 weeks (90 hours).

Exhibit Dates: 2/62-12/68.

Objectives: To train enlisted personnel to analyze cryogenic liquids and gases for purity.

Instruction: Lectures and practical exercises in the analysis of cryogenic liquids and gases, including operation, troubleshooting, and calibration of testing devices such as Gow-Mac helium analyzer, Perkin-Elmer analyzer, vacuum pumps, drying ovens, filters, and pumps; and analysis of oxygen, helium, and nitrogen for moisture, particulates, and hydrocarbons.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1601-0021

Civil Engineer Inspector

Course Number: 3AZR55000; AZR55000.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 6 weeks (180 hours).

Exhibit Dates: 4/62-12/73.

Objectives: To train airmen and enlisted personnel to perform as building construction inspectors.

Instruction: Lectures and practical exercises in building construction inspection and principles, including management, methods of construction, inspection of utility systems, drawing interpretation, specifications, and roads and grounds inspections.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1601-0022

Applied Engineering

Course Number: None.

Location: Air Force Institute of Technology, Wright-Patterson AFB, OH.

Length: 9 weeks (296 hours).

Exhibit Dates: 6/72-Present.

Objectives: To train architects and engineers to apply current mechanical and electrical engineering technology to Real Property facilities.

Instruction: Lectures and practical exercises in the application of current mechanical and electrical engineering technology, including psychrometrics, air conditioning load calculations, piping and duct design, mechanical equipment selection and application, system controls, wiring and lighting design, power factor correction, corrosion technology, and integrated design planning and execution.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in applied mechanical, electrical, and corrosion engineering (6/74).

AF-1601-0023

Industrial Engineering Techniques

Course Number: None.

Location: Air Force Institute of Technology, Wright-Patterson AFB, OH.

Length: 5 weeks (200 hours).

Exhibit Dates: 5/73-6/74.

Objectives: To train personnel in industrial engineering technology.

Instruction: Lectures and practical exercises in industrial engineering technology, including mathematics, fundamentals of statistics, work design, work measurement, plant layout, engineering economy, network planning, and other topics of current interest.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 1 semester hour in algebra, 2 in statistics, and 1 in industrial engineering (6/74); in the upper-division baccalaureate category, 1 semester hour in statistics, 1 in industrial engineering (6/74).

AF-1601-0024

Cartographic Officer

Course Number: 5OBO5724.

Location: Aeronautical Chart and Information Center, St. Louis, MO.

Length: 26 weeks (1040 hours).

Exhibit Dates: 3/70-Present.

Objectives: To train officers as cartographic officers.

Instruction: Lectures and practical exercises in duties of cartographic officers, including geodesy, surveying, referencing systems, geodetic evaluation, compilation research, compilation techniques optics, photometrics, photographic-cartographic interpretation, radial triangulation, photographic rectification, mosaics, photogrammetric instrumentation, celestial mechanics, computer applications, analytic photogrammetry, and methods of map and chart design and construction.

Credit Recommendation: In the upper-division baccalaureate category, 22 semester hours in cartography (7/74).

AF-1601-0025

Building Systems Engineering

Course Number: None.

Location: Civil Engineering School, Wright-Patterson AFB, OH.

Length: 3 weeks (120 hours).

Exhibit Dates: 4/73-6/74.

Objectives: To train engineers to apply current technology and techniques to the design, construction, and maintenance of building components.

Instruction: Lectures and practical exercises in the application of current technology to the design, construction, and maintenance of building components, including life-cycle evaluation, economic analysis, material-component selection and replacement, and the roof, protective coating, thermal and vapor barrier, sealant, acoustical, and fire protection subsystems.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 4 semester hours in civil engineering and building construction (7/74); in the upper-division baccalaureate category, 3 semester hours in civil engineering and building construction (7/74).

AF-1601-0026

Photomapping

Course Number: Not available.

Location: Aeronautical Chart and Information Center, St. Louis, MO.

Length: 10 weeks (332 hours).

Exhibit Dates: 4/56–12/68.

Objectives: To train enlisted personnel to prepare maps and charts using photogrammetry.

Instruction: Lectures and practical exercises in the preparation of maps and charts, including introductory cartography, vertical and trimetrogon photogrammetry, and reproduction procedures.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in mapping and drafting (12/68).

AF-1601-0027

Non-Destructive Inspection
Technician

Course Number: 3AAR53670; 3AZR53670.

Location: *Version 1:* School of Applied Aerospace Sciences, Chanute AFB, IL. *Version 2:* 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 4 weeks (120–146 hours). *Version 2:* 6 weeks (180 hours).

Exhibit Dates: *Version 1:* 7/72–12/73. *Version 2:* 2/70–6/72.

Objectives: To train enlisted personnel in the duties of non-destructive inspection technicians.

Instruction: Lectures and practical exercises in the duties of non-destructive inspection technicians. Course includes non-destructive inspection testing: discontinuity, formation, principles and techniques of liquid penetrant inspection; principles and techniques of magnetic partical inspection; blacklight/optical inspection techniques; principles and techniques of eddy current and ultrasonic inspections; principles, techniques and safety requirements of radiography and X-ray type inspections; and X-ray radiation film interpretation.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1601-0028

1. Liquid Fuel Systems Maintenance Specialist (HGM-16F)
2. Liquid Fuel Systems Maintenance Specialist (SM-65F)

Course Number: ABR54630D.

Location: 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 15 weeks (420 hours). *Version 2:* 6–7 weeks (180–210 hours).

Exhibit Dates: *Version 1:* 12/63–12/68. *Version 2:* 6/62–11/63.

Objectives: To train enlisted personnel in liquid fuel systems maintenance.

Instruction: Lectures and practical exercises in maintenance of liquid fuel systems. Course includes fundamentals of missile operation, fuel system components, propellant transfer system, component cleaning and inspection, operation and maintenance of aerospace ground equipment, and operation and maintenance of propellant transfer system.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1601-0029

Joy Helium Compressor Field and
Organizational (F & O)

Course Number: ATS42153-52.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 3 weeks (90 hours).

Exhibit Dates: 11/61–12/68.

Objectives: To train enlisted personnel to maintain and troubleshoot Joy helium compressors.

Instruction: Lectures and practical exercises in maintenance of Joy helium compressors. Course includes construction and operating principles of compressors, electrical system and safety devices; inspection and operating procedures; troubleshooting and operator maintenance; overhaul of slave and main compressors; and servicing of refrigerator systems.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1601-0031

Liquid Fuel Systems Maintenance
Specialist (SM-65D)

Course Number: ABR54630A-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 8 weeks (240 hours).

Exhibit Dates: 6/62–11/62.

Objectives: To train enlisted personnel to operate cryogenic liquid and high-pressure gas storage and transfer equipment.

Instruction: Lectures and practical exercises in the operation of cryogenic liquid and high-pressure gas storage transfer equipment. Course includes design and function of missile fuel and storage facilities, proper handling, calibration, repair, and testing of special control components, and safety procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1601-0032

1. Liquid Fuel Systems Maintenance Specialist (HGM-25)
2. Liquid Fuel Systems Maintenance Specialist (SM-68A)

Course Number: ABR54630E.

Location: 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 16 weeks (450 hours). *Version 2:* 8 weeks (240 hours).

Exhibit Dates: *Version 1:* 12/63–12/68. *Version 2:* 6/62–11/63.

Objectives: To train personnel as liquid fuel systems maintenance specialists for specific systems.

Instruction: *All Versions:* Lectures and practical exercises on duties of liquid fuel system maintenance specialists on specific weapon systems, including operation and maintenance of propellant transfer systems. *Version 1:* Topics include fundamentals, components, component cleaning and testing, component test stands, and operation and maintenance of aerospace ground equipment. *Version 2:* Topics include systems operation, and propellant system component maintenance.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in applied hydraulics or physical science (7/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in applied hydraulics or mechanical systems (7/74).

AF-1601-0033

1. Liquid Fuel Systems Maintenance Specialist (LGM-25)
2. Liquid Fuel Systems Maintenance Specialist (LGM-25C)
   (Liquid Fuel Systems Maintenance Specialist (SM-68B) (Titan II))
3. Liquid Fuel Systems Maintenance Specialist (SM-68B)

Course Number: *Version 1:* 3ABR54630F. *Version 2:* 3ABR54630F; ABR54630F. *Version 3:* ABR54630F.

Location: *Version 1:* School of Applied Aerospace Sciences, Chanute AFB, IL. *Version 2:* 3345th Technical School, Chanute AFB, IL. *Version 3:* 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 11 weeks (394 hours). *Version 2:* 12-13 weeks (330–360 hours). *Version 3:* 6 weeks (180 hours).

Exhibit Dates: *Version 1:* 5/73–Present. *Version 2:* 11/63-4/73. *Version 3:* 11/62–10/63.

Objectives: To train personnel as liquid fuel systems maintenance specialists on specific weapon systems.

Instruction: *All Versions:* Lectures and practical exercises in the duties of liquid fuel systems maintenance specialist, including weapon system familiarization; characteristics of propellants peculiar to the system and safety hazards involved; operation of the mobile and facilities propellant transfer systems; maintenance of system components, such as valves, sight gages, liquid-level indicator, controller, pumps, filters, hoses, facilities and missile connections; decontamination of equipment and components; and use of protective clothing and equipment. *Version 1:* Topics include fundamentals, decontamination and cleaning of components, operation and maintenance of mobile equipment, and operation and maintenance of propellant transfer system. *Version 2:* Topics include fundamentals; components; component decontamination, cleaning, and inspection; operation and maintenance of waste propellant disposal trainer and aerospace ground equipment; propellant transfer systems, and integrated operation and maintenance of propellant transfer system. *Version 3:* Topics include propellant transfer subsystems; operation of propellant system and component maintenance; and component decontamination and system maintenance.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1601-0034

1. Liquid Fuel Systems Maintenance Specialist (PGM-16D/E)
2. Liquid Fuel Systems Maintenance Specialist (SM-65D/E)
3. Liquid Fuel Systems Maintenance Specialist (SM-65E)

Course Number: *Version 1:* ABR54630A. *Version 2:* ABR54630A. *Version 3:* ABR54630A-2.

Location: 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 16 weeks (450 hours). *Version 2:* 9 weeks (270 hours). *Version 3:* 8 weeks (240 hours).

Exhibit Dates: *Version 1:* 12/63–12/68. *Version 2:* 12/62–11/63. *Version 3:* 6/62–11/62.

Objectives: To train personnel as specific liquid fuel systems maintenance specialists.

Instruction: Lectures and practical exercises in maintenance of liquid fuel systems associated with specific ballistic missiles, including operating and construction principles, inspection, maintenance, troubleshooting and operational testing of propellant transfer systems, and handling, storage, and transfer of liquid propellants.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1601-0035

1. Fuel Specialist (Petroleum Fuels)
2. Fuel Specialist (Conventional Fuels)
3. Fuel Specialist (Conventional Fuels)
   (Fuel Supply Specialist Conventional Fuel)
   (Petroleum Supply Specialist)
4. Petroleum Supply Specialist

Course Number: *Version 1:* 3ABR63130A-1; ABR63130A. *Version 2:* ABR64330A. *Version 3:* ABR64330A; AB64330A. *Version 4:* AB64330.

Location: *Version 1:* 3345th Technical School, Chanute AFB, IL. *Version 2:* 3320th Technical School, Amarillo AFB, TX. *Version 3:* 3320th Technical School, Amarillo AFB, TX. *Version 4:* 3320th Technical School, Amarillo AFB, TX.

Length: *Version 1:* 9 weeks (240 hours). *Version 2:* 10–11 weeks (270–300 hours). *Version 3:* 12–13 weeks (360 hours). *Version 4:* 8 weeks (240 hours).

Exhibit Dates: *Version 1:* 1/65–12/73. *Version 2:* 9/60–12/64. *Version 3:* 3/58–8/60. *Version 4:* 4/56–2/58.

Objectives: To train airmen as fuel specialists.

Instruction: *All Versions:* Lectures and practical exercises in the duties of fuel specialists, including the receipt, handling, storage, and dispensing of fuel. *Version 1:* Topics include mechanical and hydraulic systems and vehicle operations associated with transport and transfer of petroleum products on the flight line. *Version 2:* Topics include safety and handling of petroleum products, storage and dispensing systems, transport vehicle operations, and mobile servicing equipment operation and maintenance. *Version 3:* Topics include introduction to fuel supply systems, storage and dispensing, packaged products, flight line practices, and refueling vehicle operation, inspection, and operator maintenance. *Version 4:* Topics include petroleum characteristics, safety, associated technical publications, bulk storage and dispensing, packaged products, flight line practices, and refueling vehicle operation, inspection, and maintenance.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 4:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1601-0036

Cryogenic Fluids Production Specialist (25 Ton Plant)

Course Number: ALR54430Y.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 12 weeks (360 hours).

Exhibit Dates: 4/66–12/68.

Objectives: To qualify enlisted personnel as cryogenic fluids production specialists, and in operation, maintenance, and malfunction troubleshooting of 25-ton/day plants.

Instruction: Lectures and practical exercises in the duties of cryogenic fluids production specialists. Course includes introduction to and handling of cryogenic fluids, operation and maintenance of air compressors, air driers, and air-processing equipment, oxygen-nitrogen defrost procedures and purity analyzers, and continuous plant operation.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1601-0037

A-1A Oxygen, Nitrogen Generating Plant

Course Number: ATS56250-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 7 weeks (210 hours).

Exhibit Dates: 2/59–12/68.

Objectives: To train enlisted personnel to operate, troubleshoot, overhaul, test, and install oxygen-nitrogen generating plants, type A-1A, A-1E, MB-1, and MA-2.

Instruction: Lectures and practical exercises in oxygen-nitrogen generating plants operation and maintenance. Course includes properties of cryogenic liquids, general flow system of generating plants, operation and maintenance of diesel power units and air compressors, troubleshooting procedures, operation and maintenance of refrigeration systems, and preparation and storage of liquid oxygen and nitrogen.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1601-0038

Petroleum Systems Maintenance Technician

Course Number: SS56870-1.

Location: 3320th Technical School, Amarillo AFB, TX.

Length: 6 weeks (180 hours).

Exhibit Dates: 4/57–12/68.

Objectives: To train enlisted personnel to inspect and maintain petroleum storage and dispensing systems and equipment.

Instruction: Lectures and practical exercises in inspection and maintenance of petroleum storage and dispensing systems and equipment. Course includes petroleum products familiarization and associated hazards; inspection, maintenance, replacement and troubleshooting of petroleum storage and dispensing systems components; and maintenance of inspection records for petroleum storage and dispensing facilities.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1601-0039

Petroleum Plants and Systems, Advanced Maintenance

Course Number: ATS56870-12; ATS54670W-2.

Location: 3320th Technical School, Amarillo AFB, TX.

Length: 5 weeks (150 hours).

Exhibit Dates: 11/60–12/68.

Objectives: To train enlisted personnel and civilians to supervise maintenance of conventional liquid fuel systems and plants.

Instruction: Lectures and practical exercises in the supervision of maintenance activities of conventional liquid fuel systems and plants. Course includes safety and fuel characteristics, transportation facilities, basic hydraulics and pipelines, water demineralization, plant facility, storage tank units, dispensing systems design, mechanical flow system, hydrant systems, troubleshooting and inspection.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1601-0040

Aviation Fuel Monitoring Specialist

Course Number: *All Versions:* 3AZR63150-1. *Version 2:* AZR63150.

Location: *Version 1:* School of Applied Aerospace Sciences, Chanute AFB, IL. *Version 2:* 3320th Technical School, Amarillo AFB, TX.

Length: *Version 1:* 3 weeks (110 hours). *Version 2:* 3 weeks (90 hours).

Exhibit Dates: *Version 1:* 9/73–12/73. *Version 2:* 12/66–8/73.

Objectives: To train airmen as fuel specialists.

Instruction: Lectures and practical exercises in the testing of aviation petroleum products for purity and content, including sampling and testing for solids, free water, fuel systems icing inhibitor content, total solids of demineralized water, pH, and cholorides; use and care of fuel monitoring equipment; quality control; chemical mixing procedures; and the metric system and use of the analytical balance.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1601-0041

Site Development Specialist

Course Number: *Version 1:* 3ABR55330. *Version 2:* 3ABR55330. *Version 3:* ABR55330.

Location: *Version 1:* School of Applied Aerospace Sciences, Sheppard AFB, TX. *Version 2:* 3750th Technical School, Sheppard AFB, TX. *Version 3:* 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 17 weeks (680 hours). *Version 2:* 18 weeks (540 hours). *Version 3:* 19 weeks (540 hours).

Exhibit Dates: *Version 1:* 7/73–12/73. *Version 2:* 9/70–6/73. *Version 3:* 10/65–8/70.

Objectives: To train personnel as site development specialists.

Instruction: *All Versions:* Lectures and practical exercises on the performance of site development specialists, including fundamentals of surveying, and construction surveys. *Version 1:* Topics include construction layout and earthwork, soils engineering, pavements and concrete construction, basic drafting, construction drafting, and drafting and construction management. *Version 2:* Topics include construction layout and earthwork, soils engineering, pavements and concrete construction, basic drafting, construction drafting, and drafting and construction management. *Version 3:* Topics include site plans, material estimates, and facility drawings; transit adjustments and readings; traverse computations and direct level circuit; road layout and utilities drainage; inspections; and civil engineering inspection responsibilities and management methods.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in drafting, 3 in surveying, and 3 in construction materials (7/74). *Version 2:* In the upper-division baccalaureate category, 6 semester hours in construction engineering (12/68). *Version 3:* In the upper-division baccalaureate category, 6 semester hours in construction engineering (12/68).

AF-1601-0042

INTELLIGENCE AREA STUDIES (SEA)

Course Number: *Version 1:* 3OZR8045-5. *Version 2:* OZR8044-5.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 3-4 weeks (102-120 hours). *Version 2:* 4 weeks (120 hours).

Exhibit Dates: *Version 1:* 5/68–12/73. *Version 2:* 1/66–4/68.

Objectives: To train personnel in intelligence area studies (Southeast Asia).

Instruction: Lectures and practical exercises in intelligence area studies (Southeast Asia), including physical and cultural patterns of the area and in the specific application of multisensor reconnaisance to that environment, geographical and sociological orientation to Southeast Asia, and fundamentals of multisensors, such as panoramic photography, infrared imagery, and side-looking-radar (SLR) imagery.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in engineering (7/74). *Version 2:* In the upper-division baccalaureate category, credit in photographic interpretation on the basis of institutional evaluation (12/68).

AF-1601-0043

1. FUELS MANAGEMENT OFFICER (PETROLEUM FUELS)
   (Fuels Officer (Petroleum Fuels))
2. FUELS OFFICER (PETROLEUM FUELS)
   (Fuels Officer (Conventional Fuels))
   (Fuel Supply Officer)

Course Number: *Version 1:* 3OBR6331A-1. *Version 2:* OBR6331A; OBR6471A; OBR6451.

Location: *Version 1:* School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL. *Version 2:* 3320th Technical School, Amarillo AFB, TX.

Length: *Version 1:* 5 weeks (150–188 hours). *Version 2:* 5–6 weeks (150–180 hours).

Exhibit Dates: *Version 1:* 4/69–12/73. *Version 2:* 7/59–3/69.

Objectives: To train selected enlisted personnel in fuels management.

Instruction: *All Versions:* Lectures and practical exercises in fuels management. Course includes operation and management of fuel supply activities; quantity and quality control of aviation fuels; receipt, storage, and disposing of fuels and lubricants; utilization of permanently-installed disposing systems; and use of mobile equipment. *Version 1:* Course includes the receipt, storage, dispensing, and quality control of liquid oxygen.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the upper-division baccalaureate category, 2 semester hours in handling and storage of petroleum (12/68).

AF-1601-0044

BASE CIVIL ENGINEER
(Basic Installations Engineering Officer)

Course Number: None.

Location: Institute of Technology, Wright-Patterson AFB, OH.

Length: 8-9 weeks (233–243 hours).

Exhibit Dates: 1/54–12/68.

Objectives: To train officers in civil engineering management.

Instruction: Lectures and practical exercises in civil engineering management, including functions of the Air Force civil engineer, supervisory management, real estate administration, fiscal budgeting, maintenance management and control, engineering contracts, installations planning and military construction programs, operations and maintenance programming and project methodologies, comprehensive problems, security indoctrination, arctic orientation and construction techniques, and nuclear effects and recovery planning.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in civil engineering management (8/74); in the upper-division baccalaureate category, 3 semester hours in business organization and management (12/68).

AF-1601-0045

LIQUID FUEL SYSTEMS MAINTENANCE SPECIALIST, SM-65 AND SM-68

Course Number: ABR56830B.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 16 weeks (450 hours).

Exhibit Dates: 12/60–12/68.

Objectives: To teach competence in the operation and maintenance of various cryogenic liquid and high pressure gas transfer systems.

Instruction: Lectures and practical exercises in cryogenic liquid and high pressure gas transfer systems; proper procedures to insure safety and efficiency in removing fuels from missiles; and cleaning, degreasing, and servicing propellant transfer systems.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in mechanical systems fluid power (7/74).

AF-1601-0047

1. FUEL SPECIALIST (MISSILE LIQUID FUEL PROPELLANT) (LGM-25)
2. FUEL SPECIALIST (NONCONVENTIONAL) (SM-68B)
   (Fuel Specialist (Unconventional Fuels) (SM-68B))

Course Number: *Version 1:* ALR6310B-1. *Version 2:* ALR64330B-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 4 weeks (120 hours). *Version 2:* 6 weeks (180 hours).

Exhibit Dates: *Version 1:* 9/65–12/68. *Version 2:* 7/62–8/65.

Objectives: To train the student in the handling of unconventional fluids and unstable missile fuels.

Instruction: *All Versions:* Major areas of instruction deal with safety and efficiency in storing, transferring, and disposing of unconventional fuels. Maintenance and servicing of specialized fuel handling and storage equipment is emphasized. Student becomes competent in operating principles of transfer equipment and storage facilities. *Version 2:* Course provides greater depth in these major areas.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1606-0001

NAVAL INTELLIGENCE OFFICER

Course Number: 3OBR8051-3.

Location: Lowry Technical Training Center, Lowry AFB, CO.

Length: 21 weeks (650 hours).

Exhibit Dates: 7/72–12/73.

Objectives: To train selected Navy personnel in all aspects of intelligence operations, including analysis, collection, and reporting of information on foreign governments.

Instruction: Study and practical applications of naval warfare operations and intelligence support; international relations and law; terrain analysis; U.S. treaties and national commitments; national strategic planning; historical development and political-military role of communism.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in political science, 3 in international relations (2/74).

AF-1606-0002

INSTRUCTOR HELICOPTER FLIGHT MECHANIC (H-3,H-53)
(Instructor Helicopter Flight Mechanic (H-1, H-3, H-53)

Course Number: I-H3FM1; I-H3FM2/3; I-H53FM1; I-H53FM2/3; 431XD; 431XE1; 431XE2/3; 431XF1; 43XF2/3.

Location: Aerospace Rescue and Recovery Service, Kirtland AFB, NM.

Length: 3–4 weeks (42–158 hours).

Exhibit Dates: 3/76–Present.

Objectives: To train and qualify airmen as instructors.

Instruction: Students receive academic instruction to include teaching techniques and systems, principles of instruction, systems transition, and general aircrew training.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (11/77). course (11/77).

AF-1606-0003

Undergraduate Pilot Training (T-41, Interim)

Course Number: P-V4B-T.

Location: Air Training Command, Columbus AFB, TX; Air Training Command, Craig AFB, TX; Air Training Command, Laredo AFB, TX; Air Training Command, Laughlin AFB, TX; Air Training Command, Moody AFB, TX; Air Training Command, Reese AFB, TX; Air Training Command, Vance AFB, OK; Air Training Command, Webb AFB, TX; Air Training Command, Williams AFB, TX.

Length: 5 weeks (92 hours).

Exhibit Dates: 11/72-Present.

Objectives: To provide officers with basic flight training.

Instruction: Flight training and lectures on airmanship, aerospace physiology, and flight safety.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in flight fundamentals (2/74).

AF-1606-0004

Undergraduate Pilot Training (T-28A/T-28B)

Course Number: P-V4B-D.

Location: Air Training Command, Keesler AFB, MS.

Length: 34 weeks (200 hours).

Exhibit Dates: 6/72-12/73.

Objectives: To train nonrated personnel from allied nations to qualify as rated pilots in single-engine reciprocating aircraft.

Instruction: Lectures and in-flight training in piloting single-engine reciprocating aircraft, including principles of flight, flight systems, aerodynamics, instrument flight theory, navigation, meteorology, safety procedures, communication skills, defense and counterinsurgency tactics, marksmanship, and physical training; provides qualifications comparable to commercial/instrument rated pilot.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1606-0005

Undergraduate Pilot Training Helicopter (T-28)

Course Number: 51-1021028.

Location: Air Training Command, Randolph AFB, TX.

Length: 28 weeks (513 hours).

Exhibit Dates: 6/64-12/68.

Objectives: To provide officers with basic flight instruction, preparatory to subsequent training in helicopter aircraft.

Instruction: Training is equivalent to FAA private pilot with partial commercial pilot qualifications. Lectures and in-flight training in the basic principles of piloting aircraft, including aviation physiology, aerodynamics, instrument flight theory, navigation, meteorology, instrument procedures, flying safety and survival training, and physical development and conditioning.

Credit Recommendation: In the upper-division baccalaureate category, credit in helicopter pilot training on the basis of institutional evaluation (12/68).

AF-1606-0006

1. Undergraduate Pilot Training Helicopter (H-19/H-43B or H-19/CH-3C)
   (Helicopter Pilot Training, H-19/H-21/H-43B)
   (Helicopter Pilot Training, H-19/H-21)
2. Helicopter Pilot Training (H-13, H-19 and H-21)

Course Number: *Version 1:* 102102H. *All Versions:* 102101.

Location: Air Training Command, Stead AFB, NV; Air Training Command, Randolph AFB, TX.

Length: *Version 1:* 18 weeks (312 hours). *Version 2:* 12 weeks (213-355 hours).

Exhibit Dates: *Version 1:* 7/58-12/68. *Version 2:* 1/56-6/58.

Objectives: To train officers as helicopter pilots.

Instruction: Flight training, including basic helicopter training, instrument flying, night flying, and operational training; and lectures and practical exercises in first aid, instrument procedures and radio aids, and helicopter engineering.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in helicopter pilot training on the basis of institutional evaluation (12/68). *Version 2:* In the upper-division baccalaureate category, credit in helicopter pilot training on the basis of institutional evaluation (12/68).

AF-1606-0007

Helicopter Pilot Training (H-19/H-43)(H-19/H-3)

Course Number: 51-102101.

Location: Air Training Command, Sheppard AFB, TX.

Length: 12 weeks (268-318 hours).

Exhibit Dates: 11/66-12/68.

Objectives: To train fixed-wing aircraft pilots as helicopter pilots.

Instruction: Flight training in the techniques of flying rotary-winged aircraft and lectures on familiarization, engineering, and operational training.

Credit Recommendation: In the upper-division baccalaureate category, credit in helicopter piloting on the basis of institutional evaluation (12/68).

AF-1606-0008

Helicopter Pilot Training (H-19/H-43B)(H-19/CH-3C)

Course Number: 51-102101.

Location: Air Training Command, Sheppard AFB, TX.

Length: 12 weeks (119-137 hours).

Exhibit Dates: 4/66-12/68.

Objectives: To train fixed-wing aircraft pilots to operate helicopters.

Instruction: Lectures and operational training in helicopter history and flight theory, navigation, and rotor-powered helicopter and synchropter engineering.

Credit Recommendation: In the upper-division baccalaureate category, credit in helicopter pilot training on the basis of institutional evaluation (12/68).

AF-1606-0009

Helicopter Pilot Training (H-1F/H-1F)(H-1F/CH-3)(H-1F/H-43)

Course Number: *Version 1:* F-V5E-B/C/D/E; F-V5F-B/C/D/E/F; 51-102500; 51-102101. *Version 2:* F-V5F-D/E/F.

Location: Air Training Command, Sheppard AFB, TX.

Length: *Version 1:* 6 weeks (76-115 hours). *Version 2:* 12 weeks (88-132 hours).

Exhibit Dates: *Version 1:* 3/68-12/73. *Version 2:* 7/67-2/68.

Objectives: To train fixed-wing aircraft pilots to operate helicopters.

Instruction: *All Versions:* Lectures and operational training in helicopter theory and history, navigation, and synchropter and rotor powered engineering. *Version 1:* Includes operational training on a specific model helicopter.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the upper-division baccalaureate category, credit in helicopter pilot training on the basis of institutional evaluation (12/68).

AF-1606-0010

Helicopter Pilot Training (CH-3E)

Course Number: 51-1025002.

Location: Air Training Command, Stead AFB, NV.

Length: 5 weeks (141 hours).

Exhibit Dates: 6/65-12/68.

Objectives: To train rated helicopter pilots in the operation of twin-engine, turbine powered, single-rotor aircraft.

Instruction: Flight training, including familiarization with dual instruments, engines, and flight operations; and lectures on familiarization and engineering.

Credit Recommendation: In the upper-division baccalaureate category, credit in helicopter pilot training on the basis of institutional evaluation (12/68).

AF-1606-0011

Instrument Pilot Instructor Training (T-38)
(Instrument Pilot Instructor Training (T-39))
(Instrument Pilot Instructor Training (T-38/T-39))

Course Number: F-V5G-A; 1104500H; 1111501Q.

Location: Air Training Command, Randolph AFB, TX.

Length: 6-8 weeks (76-207 hours).

Exhibit Dates: 8/62-Present.

Objectives: To qualify pilots as instrument instructor pilots.

Instruction: Lectures and practical exercises in instrument instruction procedures in supersonic fighter type jet aircraft, including fundamentals of instruction, flight instruments, navigation aids, computer, weather, and flying and ground training.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in principles and methods of instruction or teacher education, 3 in flight instructor experience (2/74); in the upper-division baccalaureate category, credit in instructional methods on the basis of institutional evaluation (2/74).

AF-1606-0012

Advanced Pilot Training Multi-Engine T-29

Course Number: 51-104103-1.

Location: Flying Training Air Force, Waco, TX.

Length: 10 weeks (213 hours).

Exhibit Dates: 3/54-12/68.

Objectives: To provide personnel with basic flight training on T-29 aircraft.

Instruction: Flight training experience and lectures on operational and combat instructions, aircraft engineering, radio communications, emergency procedures, instrument techniques and procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1606-0013

Advanced Pilot Multi-Engine TB-50 Training

Course Number: None.

Location: Flying Training Air Force, Mather AFB, CA.

Length: 10 weeks (274 hours).

Exhibit Dates: 3/54–12/68.

Objectives: To train pilots in the operation of four-engine aircraft.

Instruction: Flight training experience and lectures on aircraft engines, propeller systems and instruments, and hydraulic and electrical systems.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1606-0014

Advanced Pilot Training Multi-Engine B-25

Course Number: 51-104104-1.

Location: Flying Training Air Force, James Connally AFB, TX; Flying Training Air Force, Mather AFB, CA.

Length: 10 weeks (216 hours).

Exhibit Dates: 3/54–12/68.

Objectives: To provide personnel with basic flight training on B-25 aircraft.

Instruction: Flight training experience and lectures on flight regulations, flight planning, instruments, link trainer, survival training, and combat operations.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1606-0015

Tanker Aircrew, KC-97

Course Number: 123100KC.

Location: Air Training Command, Randolph AFB, TX.

Length: 10 weeks (321–380 hours).

Exhibit Dates: 1/57–12/68.

Objectives: To train aircrews in the procedures and techniques of aerial refueling.

Instruction: Lectures on aviation physiology, basic survival, aircraft performance, aerial refueling, and instrument flying; flight training, including mission preparation, navigation, and aerial refueling.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1606-0016

C-5 Navigator

Course Number: None.

Location: 443d Military Airlift Wing, Altus AFB, OK.

Length: 5 weeks (85 hours).

Exhibit Dates: 2/73–Present.

Objectives: To qualify navigators for aircrew positions on C-5 aircraft.

Instruction: Lectures and practical exercises in emergency equipment and procedures, navigator's instruments and systems; procedural training in cockpit operations, flight missions, egress and airplane orientation, and integrated crew training.

Credit Recommendation: Credit is not recommended because of the limited technical nature of the course (2/74).

AF-1606-0017

C-141 Navigator Training
(Advanced Upgrade—Transport Navigation)

Course Number: None.

Location: 443d Military Airlift Wing, Altus AFB, OK.

Length: 4 weeks (86 hours).

Exhibit Dates: 4/72–Present.

Objectives: To qualify navigators for aircrew positions on C-141 aircraft.

Instruction: Lectures and practical experience in emergency equipment and procedures, communication, navigation radio and compass systems, egress training, fuel planning, aeromedical evacuation, and combat airlift operational procedures.

Credit Recommendation: Credit is not recommended because of the limited technical nature of the course (2/74).

AF-1606-0018

Basic Observer Navigator

Course Number: 51-153100-1.

Location: Flying Training Air Force, Harlingen AFB, TX; Flying Training Air Force, James Connally AFB, TX; Flying Training Air Force, Ellington AFB, TX.

Length: 14 weeks (257 hours).

Exhibit Dates: 5/54–12/68.

Objectives: To train aviation cadets and nonrated officers as aircraft navigators.

Instruction: Lectures and practical exercises in advanced navigation techniques and equipment, including celestial navigation, polar navigation, and pressure patterns; radar; and officer training.

Credit Recommendation: In the upper-division baccalaureate category, credit in navigation on the basis of institutional evaluation (12/68).

AF-1606-0019

Advanced Flying School Transport Pilot (C-141)
(C-141 Pilot)

Course Number: 1045L.

Location: 443d Military Airlift Wing, Altus AFB, OK.

Length: 8 weeks (129 hours).

Exhibit Dates: 3/73–Present.

Objectives: To provide pilots with a practical knowledge of the normal and emergency functions of the C-141 aircraft.

Instruction: Lectures on aircrew indoctrination, engines, instruments, communication-navigation systems, integrated flight control systems, and aircraft performance; practical exercises in flight simulation training and flight training.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (2/74).

AF-1606-0020

Special Operations Training, AC-130E Pilots

Course Number: 104140Z.

Location: 415th Special Operations Training Squadron, Hurlburt Field, FL.

Length: 4 weeks (94 hours).

Exhibit Dates: 1/72–Present.

Objectives: To train pilots in the operation of multi-engine aircraft.

Instruction: Ground egress training and multi-engine flight experience; lectures on electrical systems, hydraulics, landing gear and brakes, flight controls, fuel systems, instrumentation, communication and navigation, performance and mission planning, and flight characteristics and procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in flight experience (2/74).

AF-1606-0021

Intelligence Operations Technician

Course Number: AA20470.

Location: 3750th Technical Training Wing, Sheppard AFB, TX.

Length: 10 weeks (300 hours).

Exhibit Dates: 6/57–5/59.

Objectives: To provide advanced instruction in intelligence and photointerpretation techniques and procedures.

Instruction: Course covers maps, charts, and mosaics; target development, weapons employment planning; foreign air defense capabilities; combat survival; combat mission planning; briefing, debriefing, and reporting. Course also includes fundamentals of air intelligence, photo radar, and target development.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in intelligence methods (11/77).

AF-1606-0022

1. Undergraduate Pilot Training (T-41/T-37/T-38)
2. Undergraduate Pilot Training (T-41/T-37/T-38)

(Undergraduate Pilot Training (T-41/T-37/ T-33))
(Undergraduate Pilot Training (T-37/T-33))

Course Number: *All Versions:* P-V4A-A. *Version 2:* 111103; 1111038.

Location: Air Training Command, Columbus AFB, MS; Air Training Command, Craig AFB, AL; Air Training Command, Laughlin AFB, TX; Air Training Command, Moody AFB, GA; Air Training Command, Reese AFB, TX; Air Training Command, Vance AFB, OK; Air Training Command, Webb AFB, TX; Air Training Command, Williams AFB, AZ; Air Training Command, Laredo AFB, TX; Air Training Command, Randolph AFB, TX.

Length: *Version 1:* 49 weeks (962–998 hours). *Version 2:* 48–55 weeks (752–1059 hours).

Exhibit Dates: *Version 1:* 6/73–Present. *Version 2:* 1/61–5/73.

Objectives: To qualify non-rated officers as rated jet pilots.

Instruction: Lectures and practical exercises in basic flight maneuvers, instrument flight, navigation, weather, aerodynamics, aerospace physiology, aircraft systems operation, principles of flight, aural and visual code, flying safety, instrument procedures and radio aids, radar and flight planning.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 6 semester hours in commercial pilot, 3 in instrument pilot, 3 in navigation, and 3 in meteorology (6/74). *Version 2:* In the lower-division baccalaureate/associate degree category, 6 semester hours in commercial pilot, 3 in instrument pilot, 3 in navigation, and 3 in meteorology (6/74); in the upper-division baccalaureate category, 3 semester hours in primary meteorology and navigation, and credit in advanced military at institutions which regularly offer such credit (12/68).

AF-1606-0023

C-5 Pilot

Course Number: None.

Location: 443d Military Airlift Wing, Altus AFB, OK.

Length: 4 weeks (127 hours).

Exhibit Dates: 2/72–Present.

Objectives: To train pilots in the operation of the C-5 aircraft.

Instruction: Flight and academic training, including an introduction to the C-5 aircraft and its systems, component parts, and normal and emergency functions.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in flight experience (2/74).

AF-1606-0024

HC-130 RADIO OPERATOR ADVANCED FLYING

(HC-130 Radio Operator (Aircrew Training))

(Radio Operator (HC-130) ARRS)

Course Number: I-A293Y31; HC130R01; 29352E-1; A293X3-1.

Location: Aerospace Rescue and Recovery Service, Kirtland AFB, NM; Aerospace Rescue and Recovery Service, Hill AFB, UT.

Length: 8 weeks (103–187 hours).

Exhibit Dates: 7/71–Present.

Objectives: To train airmen to perform duties as radio operators in HC-130 aircraft.

Instruction: Flight training in navigation, search and orbit, intercept; lectures on general aircrew training, aircraft systems and emergency procedures, rescue operations, and communications procedures.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (2/74).

AF-1606-0025

HC-130 NAVIGATOR (AIRCREW TRAINING)

(Navigator Advanced Flying (HC-130) ARRS)

Course Number: I-1535K1; HC130N1; 1535Z-1.

Location: Aerospace Rescue and Recovery Service, Kirtland AFB, NM; Aerospace Rescue and Recovery Service, Hill AFB, UT.

Length: 8 weeks (126–198 hours).

Exhibit Dates: 7/71–Present.

Objectives: To train officers to perform duties as navigators in HC-130 aircraft.

Instruction: Flight experience in navigation, search and orbit, intercept, air refueling; lectures on general aircrew training, aircraft systems and emergency procedures, and rescue operations.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (2/74).

AF-1606-0026

HC-130 AIRCRAFT COMMANDER (AIRCREW TRAINING)

(Pilot Advanced Flying (HC-130) ARRS)

Course Number: I-1035B1; HC130P1; 1035B-1.

Location: Aerospace Rescue and Recovery Service, Kirtland AFB, NM; Aerospace Rescue and Recovery Service, Hill AFB, UT.

Length: 8 weeks (100–161 hours).

Exhibit Dates: 7/71–Present.

Objectives: To train pilots to serve as aircraft commanders in HC-130 aircraft.

Instruction: Flight training in navigation, transition, aerial delivery, search and orbit, intercept and air refueling; lectures on general aircrew training, aircraft systems and emergency procedures, and rescue operations.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (2/74).

AF-1606-0027

HC-130 FLIGHT ENGINEER (AIRCREW TRAINING)

(Flight Engineer Advanced Flying (HC-130) ARRS)

(HC-130 Flight Engineer)

Course Number: 113X0A1; I-113X0; HC130FE1; WC130FE1; 43550A-1.

Location: Aerospace Rescue and Recovery Service, Kirtland AFB, NM; Aerospace Rescue and Recovery Service, Hill AFB, UT.

Length: 6–8 weeks (94–164 hours).

Exhibit Dates: 7/71–Present.

Objectives: To train airmen to serve as flight engineers in HC-130 aircraft.

Instruction: Flight training in transition and navigation, aerial delivery, search and orbit, intercept and air refueling; lectures on general aircrew training, aircraft systems and emergency procedures, rescue operations, and cruise control.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (2/74).

AF-1606-0028

HC-130 LOADMASTER (AIRCREW TRAINING)

(Advanced Aircraft Loadmaster (HC-130 ARRS)

(HC-130 Advanced Loadmaster)

Course Number: 114706; 114X06; HC130LM1; 60750-1; A60770-6.

Location: Aerospace Rescue and Recovery Service, Kirtland AFB, NM; Aerospace Rescue and Recovery Service, Hill AFB, UT.

Length: 8 weeks (123–165 hours).

Exhibit Dates: 7/71–Present.

Objectives: To train airmen to serve as loadmasters in HC-130 aircraft.

Instruction: Flight training in navigation, aerial delivery, search and orbit, intercept and air refueling; lectures on general aircrew training, aircraft systems and emergency procedures; and tactical subsystem static training.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (2/74).

AF-1606-0029

TRANSITION PILOT TRAINING (C-47)

Course Number: 51-104501P.

Location: Air Training Command, Randolph AFB, TX; Air Training Command, Moody AFB, GA.

Length: 6–8 weeks (106–223 hours).

Exhibit Dates: 8/61–12/68.

Objectives: To train pilots in the operation of multiengine aircraft.

Instruction: Flight training experience; lectures on aircraft engineering and flight planning.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1606-0030

AIRCRAFT OBSERVER TRAINING—PILOT

Course Number: 51-124101-1.

Location: Flying Training Air Force, James Connally AFB, TX.

Length: 24–27 weeks (387–413 hours).

Exhibit Dates: 4/54–12/68.

Objectives: To train qualified pilots as navigator/bombardiers.

Instruction: Lectures in dead-reckoning, celestial, grid, and radar navigation techniques; nuclear weapons delivery, bombing procedures, and radar target intelligence; and in-flight training in celestial, grid, and radar navigation and in integrated navigation and bombing.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in navigation (12/68).

AF-1606-0031

1. AIRCRAFT OBSERVER TECHNICAL UPGRADING
2. AIRCRAFT OBSERVER UPGRADE TRAINING
3. AIRCRAFT OBSERVER UPGRADE TRAINING
4. AIRCRAFT OBSERVER UPGRADE TRAINING
5. AIRCRAFT OBSERVER UPGRADE TRAINING

Course Number: *Version 1:* 51-152110A-1. *Version 2:* 51-152100P-1.

Location: *Version 1:* Flying Training Air Force, Mather AFB, CA; Flying Training Air Force, James Connally AFB, TX. *Version 2:* Flying Training Air Force, Ellington AFB, TX. *Version 3:* Flying Training Air Force, Harlingen AFB, TX. *Version 4:* Flying Training Air Force, James Connally AFB, TX. *Version 5:* Flying Training Air Force, Mather AFB, CA.

Length: *Version 1:* 24–25 weeks (538–567 hours). *Version 2:* 941 hours. *Version 3:* 941 hours. *Version 4:* 941 hours. *Version 5:* 941 hours.

Exhibit Dates: *Version 1:* 2/55–12/68. *Version 2:* 5/54–1/55. *Version 3:* 5/54–1/55. *Version 4:* 5/54–1/55. *Version 5:* 5/54–1/55.

Objectives: To train aircraft observers as aerial navigators.

Instruction: Lectures and flight experience in aircraft navigation techniques, including dead-reckoning, celestial, and grid navigation; equipment malfunction analysis; bombing theory and computations; radar target intelligence; operational procedures involving radar and computer usage; and atomic, biological, and chemical warfare familiarization.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 5 semester hours in navigation, and credit in electricity on the basis of institutional evaluation (12/68). *Version 2:* In the upper-division baccalaureate category, credit in electronics or navigation on the basis of institutional evaluation (12/68). *Version 3:* In the upper-division baccalaureate category, credit in electronics or navigation on the basis of institutional evaluation (12/68). *Version 4:* In the upper-division baccalaureate category, credit in electronics or navigation on the basis of institutional evaluation (12/68). *Version 5:* In the upper-division baccalaureate category, credit in electronics or navigation on the basis of institutional evaluation (12/68).

AF-1606-0032

FLIGHT ENGINEER SPECIALIST, RECIPROCATING ENGINE AIRCRAFT

Course Number: 3ALR43550C-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 10 weeks (300 hours).

Exhibit Dates: 8/70–12/73.

Objectives: To train enlisted personnel to perform duties as flight engineers.
Instruction: Lectures in theory of flight, aircraft systems, aerodynamics, and duties and responsibilities of flight engineers, and practical experience in flight navigation procedures.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in aerodynamics (12/68).

AF-1606-0033

Primary-Basic Observer Upgrading

Course Number: *Version 1:* 51-153123. *Version 2:* 51-153102-1.
Location: *Version 1:* Air Training Command, Mather AFB, CA. *Version 2:* Flying Training Air Force, Ellington AFB, TX.
Length: *Version 1:* 23 weeks (511 hours). *Version 2:* 34 weeks (803–823 hours).
Exhibit Dates: *Version 1:* 1/59–12/68. *Version 2:* 12/54–12/58.
Objectives: To provide aircraft observers with supplemental training in aircraft navigation.
Instruction: Lectures and flight experience in aircraft navigation, including meteorology; navigational theory; dead-reckoning, celestial, and grid navigation; radar systems; electricity and magnetism; and radio operations.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 6 semester hours in navigation (12/68). *Version 2:* In the upper-division baccalaureate category, 6 semester hours in navigation, 3 in electricity (12/68).

AF-1606-0034

Primary-Basic Observer Cadet

Course Number: 51-153101-1.
Location: Flying Training Air Force, Ellington AFB, TX; Flying Training Air Force, Harlingen AFB, TX; Flying Training Air Force, James Connally AFB, TX.
Length: 40–42 weeks (857–872 hours).
Exhibit Dates: 4/54–12/68.
Objectives: To train aircraft observer preflight graduates and nonrated officers to perform as navigators.
Instruction: Lectures and training flights in basic aircraft navigation, including electronic equipment utilization; meteorology; celestial, grid, and dead-reckoning navigation; electricity and magnetism; radar systems; and radio operation.
Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in navigation, 2 in electricity, and additional credit in electrical laboratory on the basis of institutional evaluation (12/68).

AF-1606-0035

Helicopter Aircrew Training
(Helicopter Mechanic (Flight))
(Helicopter Gunner)
(Pararescue(Heavy Lift, Heli))

Course Number: 431XD,E,F; 462XD; 923X0.
Location: Aerospace Rescue and Recovery Service, Scott AFB, IL.
Length: 4–8 weeks (120–240 hours).
Exhibit Dates: 7/71–12/73.
Objectives: To train airmen to perform as tactical helicopter crewmen.
Instruction: Flight training, lectures, and practical exercises in emergency procedures, rescue operations, weapon systems and ballistics, refueling, and general aircrew procedures.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (2/74).

AF-1606-0036

Advanced Helicopter Pilot Training
(Pilot Advanced Flying (H-3) Basic)
(Pilot Advanced Flying (HH-3E) ARRS)
(Pilot Advanced Flying (H-53) Basic)
(Pilot Advanced Flying (HH-53) ARRS)

Course Number: H3P1; H3P2; 1025E-1; 1025E-2; 1025F-1; 1025F-2.
Location: 1550th Aircrew Training and Test Wing, Hill AFB, UT.
Length: 4–10 weeks (46–124 hours).
Exhibit Dates: 6/72–Present.
Objectives: To provide helicopter pilots with transition and technical training in H-3 and H-53 helicopters.
Instruction: Lectures and practical experience in aerial delivery, air refueling, ballistics, fire suppression, formation flying, gunnery, instruments, navigation, rescue operations, search and orbit, and tactical and transition training.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (2/74).

AF-1606-0037

Flight Mechanic Training
(Helicopter Mechanic Advanced Flying (HH-53) ARRS)
(Helicopter Mechanic Flying (H-53) Basic)
(Helicoter Mechanic Advanced Flying (HH-3E) ARRS)
(Helicopter Mechanic Flying (H-3) Basic)

Course Number: H3FM1; H3FM2; 431XF-2; 431XF-1; 431XE-2; 431XE-1.
Location: 1550th Aircrew Training and Test Wing, Hill AFB, UT.
Length: 4–10 weeks (37–111 hours).
Exhibit Dates: 6/72–Present.
Objectives: To train helicopter mechanics to repair, and serve as crew members on, H-3 and H-53 helicopters.
Instruction: Flight training, including flight preparation, ground operations, in-flight maintenance, instruments, emergency procedures, and post-flight procedures; and lectures and practical experience in the repair of the Limited Night Recovery System (LNRS).
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (2/74).

AF-1606-0038

1. Medium Bomb—Transition B-47 (Aircraft Commander/Pilot)
2. Aircrew Transition—Medium Bomb-Jet (Aircraft Commander/Pilot)

Course Number: 123100B.
Location: Air Training Command, McConnell AFB, KS.
Length: *Version 1:* 8–10 weeks (130–200 hours). *Version 2:* 13 weeks (233–305 hours).
Exhibit Dates: *Version 1:* 8/56–12/68. *Version 2:* 4/54–7/56.
Objectives: To provide pilots and navigators with B-47 aircrew transition training and general knowledge of B-47 systems and performance.
Instruction: Lectures and simulated flight training in B-47 aircraft; aircraft systems fundamentals, performance characteristics, bombing and navigation systems and procedures; high-altitude meteorology; jet instrument flight planning; gunnery system; and celestial navigation.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (2/74).

AF-1606-0039

1. Medium Bomb—Transition B-47 (Aircraft Observer)
2. Aircrew Transition—Medium Bomb-Jet (Aircraft Observer)

Course Number: 123100B.
Location: Air Training Command, McConnell AFB, KS.
Length: *Version 1:* 4 weeks (107 hours). *Version 2:* 7 weeks (185–211 hours).
Exhibit Dates: *Version 1:* 8/56–12/68. *Version 2:* 4/54–7/56.
Objectives: To provide pilots and navigators with B-47 bombing navigation system in-flight maintenance procedures and general knowledge of B-47 systems and performance.
Instruction: Lectures and simulated flight training in B-47 aircraft; aircraft systems fundamentals, performance characteristics, and bombing and navigation systems and procedures; and high-altitude meteorology.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (2/74).

AF-1606-0040

Medium Bombardment Conventional
B-29 Four-Engine Transition
(Flight Engineer)

Course Number: 123100C.
Location: Air Training Command, Randolph AFB, TX.
Length: 6 weeks (160 hours).
Exhibit Dates: 11/54–12/68.
Objectives: To provide flight engineers with B-29 transition training.
Instruction: Lectures and practical experience in emergency procedures, aircraft engines, electrical systems, propellers, instruments, cruise control, and communications.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (2/74).

AF-1606-0041

Medium Bombardment Conventional,
B-29 Four-Engine Transition
(Aircraft Commander and Co-Pilot)

Course Number: 123100C.
Location: Air Training Command, Randolph AFB, TX.
Length: 6 weeks (202 hours).
Exhibit Dates: 11/54–12/68.
Objectives: To provide aircraft commanders and copilots with B-29 transition training.
Instruction: Lectures and practical experience in emergency procedures, instrument flying, weather, aircraft operation, crew management, flying safety, engines, electrical systems, propellers, instruments, and communications.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (2/74).

AF-1606-0042

Medium Bombardment Conventional,
B-29 Four-Engine Transition
(Scanner Gunner)

Course Number: 123100C.
Location: Air Training Command, Randolph AFB, TX.
Length: 6 weeks (124 hours).

Exhibit Dates: 11/54–12/68.

Objectives: To provide scanner gunners with B-29 transition training.

Instruction: Lectures and practical experience in emergency procedures, aircraft operation, instruments, preflight inspection, electrical systems, engines, and propellers.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (2/74).

AF-1606-0043

MEDIUM BOMBARDMENT CONVENTIONAL, B-29 FOUR-ENGINE TRANSITION (RADIO OPERATOR)

Course Number: 123100C.

Location: Air Training Command, Randolph AFB, TX.

Length: 6 weeks (161 hours).

Exhibit Dates: 11/54–12/68.

Objectives: To provide radio operators with B-29 transition training.

Instruction: Lectures and practical experience in radio procedures and equipment, aural and visual code, preflight and chamber flight.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (2/74).

AF-1606-0044

MEDIUM TRANSPORT (C-119) TRANSITION
(Medium Transport (C-119) Aircrew Transition)

Course Number: 105100B.

Location: Air Training Command, Randolph AFB, TX.

Length: 6 weeks (218 hours).

Exhibit Dates: 7/54–12/68.

Objectives: To train pilots in transport-type aircraft transition.

Instruction: Lectures and practical experience in mission preparation, emergency procedures and instruments, navigation, flying, and public relations. Includes specialized training in engines, propellers, aircraft systems, flight controls, operational procedures, instrument flying techniques, cruise control, navigational methods, communications, flying safety, and technical publications.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (2/74).

AF-1606-0045

1. RADAR INTERCEPT OFFICER TRAINING (MG-12/13)
(Radar Intercept Officer Training)
2. NAVIGATOR RADAR INTERCEPT

Course Number: 156103.

Location: Air Training Command, Connally AFB, TX.

Length: *Version 1:* 25 weeks (511-533 hours). *Version 2:* 21 weeks (386 hours).

Exhibit Dates: *Version 1:* 8/58–12/68. *Version 2:* 6/57–7/58.

Objectives: To qualify Air Force navigators as radar intercept officers.

Instruction: Lectures and practical exercises in navigation and flight line orientation; basic and advanced interceptor techniques; applied tactics; interceptor techniques in flight simulator; electricity and magnetism; circuits and voltmeter, ammeter, ohmmeter familiarization; vacuum tubes, diodes, triodes, tetrodes, pentodes, and thyratrons; power supplies; amplifiers; oscillators; high-frequency circuits and systems; transmission lines and wave-guides; applied intercept techniques; aircraft and surface vessel recognition; and aircraft engineering.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 4 semester hours in electricity, and credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 2:* In the upper-division baccalaureate category, credit in navigation and electricity on the basis of institutional evaluation (12/68).

AF-1606-0046

ADVANCED OBSERVER INTERCEPT
(Advanced Observer, Intercept Training)

Course Number: 156102.

Location: Flying Training School, Connally AFB, TX.

Length: 16–21 weeks (283–388 hours).

Exhibit Dates: 2/55–12/68.

Objectives: To train primary basic observer course graduates to be aircraft observers as a prerequisite for interceptor combat crew training or jet fighter crew training.

Instruction: Lectures and practical experience in interception techniques, simulated flight missions and radar intercept flight missions, airborne intercept radar equipment, radar equipment malfunction analysis, operational navigation techniques, flight weather operations, aircraft recognition, international Morse Code, basic aircraft instruments, and aircraft armament.

Credit Recommendation: In the upper-division baccalaureate category, credit in navigation or electricity on the basis of institutional evaluation (4/74).

AF-1606-0047

ADVANCED AEROSPACE PHOTO INTELLIGENCE

Course Number: OTS8044-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 5 weeks (150 hours).

Exhibit Dates: 6/62–12/68.

Objectives: To provide intelligence personnel with advanced training in the processing, storing, retrieving, interpretation, and dissemination of intelligence information.

Instruction: Lectures and practical exercises in the interpretation, processing, storage, retrieval and dissemination of intelligence information, including introductory reconnaissance systems, automatic data processing, photogrammetry, applications of photo intelligence information, microscale photo interpretation, and physical factors in photo interpretation.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in photo intelligence (12/68).

AF-1606-0048

DEFENSE SENOR INTERPRETATION AND APPLICATIONS TRAINING (DSIAT) (OFFICER)

Course Number: OZR8011.

Location: Armed Forces Air Intelligence Training Center, Offutt AFB, NE.

Length: 12 weeks (480 hours).

Exhibit Dates: 10/64–12/68.

Objectives: To train officers to perform as photographic interpreters.

Instruction: Lectures and practical exercises in photo interpretation, including principles and equipment of reconnaissance systems, impact and significance of improved lens/film combinations, use of improved optical and mensuration devices, microscale photo interpretation, automatic and electronic intelligence interpretation, photogrammetry, and photo processing techniques.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in photo intelligence (12/68).

AF-1606-0049

C-9A PILOT BASIC
(Advanced Flying School (C-9) Tactical Airlift)

Course Number: None.

Location: 375th Aeromedical Airlift Wing, Scott AFB, IL.

Length: 5 weeks (105 hours).

Exhibit Dates: 1/73–Present.

Objectives: To train pilots in the operation of multi-engine aircraft.

Instruction: Multi-engine flight experience; ground egress training; lectures on electrical systems, hydraulics, landing gear and brakes, flight controls, fuel systems, instrumentation, communication and navigation, performance and mission planning, and flight characteristics and procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1606-0050

PHOTO INTERPRETATION SPECIALIST

Course Number: ABR20630; AB20630; AB20431.

Location: *Version 1:* 3750th Technical School, Sheppard AFB, TX. *Version 2:* 3415th Technical School, Lowry AFB, CO.

Length: 12-19 weeks (360–540 hours).

Exhibit Dates: 4/54–12/68.

Objectives: To train airmen to interpret, analyze, and evaluate aerial and radar scope photographs for intelligence purposes.

Instruction: Lectures and practical exercises in the interpretation, analysis, and evaluation of aerial and radar scope photographs for intelligence purposes, including filing, indexing, and plotting radar scope photographs; radar scope prediction, photo intelligence section operation, security, and map usage and intelligence information sources.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in photo interpretation (12/68).

AF-1606-0051

DEFENSE SENSOR INTERPRETATION AND APPLICATIONS TRAINING (DSIAT) (AIRMAN)

Course Number: AZR20670.

Location: Armed Forces Air Intelligence Training Center, Offutt AFB, NE.

Length: 11 weeks (440 hours).

Exhibit Dates: 10/64–12/68.

Objectives: To train enlisted personnel to perform as photographic interpreters.

Instruction: Lectures and practical exercises in photo interpretation, including principles and equipment of reconnaissance systems, impact and significance of improved lens/film combinations, use of improved optical and mensuration devices, microscale photo interpretation, automatic and electronic intelligence interpretation, photogrammetry, and photograph processing techniques.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in photo intelligence (12/68).

AF-1606-0052

1. Air Intelligence Officer
2. Intelligence Officer

Course Number: *Version 1:* 3OBR8051-1; OBR8051-1. *Version 2:* OBR8051; OB2051; OB2051-1.

Location: *Version 1:* 3415th Technical School, Lowry AFB, CO. *Version 2:* 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 28–30 weeks (840–960 hours). *Version 2:* 12 weeks (360 hours).

Exhibit Dates: *Version 1:* 10/63–12/73. *Version 2:* 5/56–9/63.

Objectives: To train officers to perform as intelligence officers and intelligence photo-radar officers.

Instruction: *All Versions:* Lectures and practical exercises in photo-radar intelligence operations and principles, including image interpretation, radar and intelligence analysis, prediction and targeting, automatic data processing and computer programming as applied to intelligence systems, mission planning, foreign air defense capabilities, nuclear weapons employment, and survival and escape techniques. *Version 1:* Includes tactical interpretation, photogrammetry, multisensor interpretation, briefing and transportation procedures, and intelligence industries.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 6 semester hours in photo interpretation and intelligence methods (12/68). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in intelligence methods (12/68).

AF-1606-0053

Industrial Photo Interpretation and Bomb Damage Assessment

Course Number: OTS8000-12.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 6 weeks (180 hours).

Exhibit Dates: 12/61–12/68.

Objectives: To train enlisted personnel to interpret surface transportation and industrial installations and to assess nonnuclear bomb damage from aerial photography.

Instruction: Lectures and practical exercises in surface transportation, basic industries, end-product industries, and nonnuclear bomb damage assessment by aerial photographic interpretation.

Credit Recommendation: In the upper-division baccalaureate category, credit in photographic interpretation on the basis of institutional evaluation (12/68).

AF-1606-0054

Air Intelligence Officer

Course Number: OTS8054.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 12 weeks (360 hours).

Exhibit Dates: 12/61–12/68.

Objectives: To train officers to be air intelligence officers.

Instruction: Lectures and practical exercises in air intelligence processes, maps, charts, and photographic radar interpretation; the communist threat; targeting and weapons employment planning, and combat mission activities.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in intelligence methods (12/68).

AF-1606-0055

Air Intelligence Officer

Course Number: 3OBR8051-2.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 20 weeks (620 hours).

Exhibit Dates: 7/70–12/73.

Objectives: To train officers to be intelligence officers on staff and operational units.

Instruction: Lectures in intelligence fundamentals, automatic data processing as applied to intelligence, imagery interpretation fundamentals, targeting, weapons employment planning, survival techniques, evasion procedures, resistance and escape, integrated operational intelligence system, and intelligence officer responsibilities.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in photo interpretation and intelligence methods (12/68).

AF-1606-0056

Intelligence Precision Photographic Officer

Course Number: 3OBR8061.

Location: School of Applied Aerospace Sciences, Lowry AFB, CO.

Length: 13 weeks (396 hours).

Exhibit Dates: 1/73–12/73.

Objectives: To train enlisted personnel to be intelligence precision photographic officers.

Instruction: Lectures and practical exercises in photography introduction; sensitometric control techniques; chemical control techniques, and precision control techniques; color photography fundamentals; photographic unit management and administration; light theory; printing and developing processes; sensitometry and sensitometric techniques; titling, plotting, and forwarding aerial film; and airborne intelligence imagery systems.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in photography (5/74).

AF-1606-0057

Reconnaissance Staff Officer

Course Number: 3OZR1400.

Location: 3515th Technical School, Lowry AFB, CO.

Length: 3 weeks (90 hours).

Exhibit Dates: 11/68–12/73.

Objectives: To train commanders, operators, and staff officers in reconnaissance and reconnaissance/intelligence cycle elements and functions.

Instruction: Lectures in reconnaissance systems, roles and missions, administration and security, maps and charts, communications intelligence, multisensor reconnaissance interpretation, tactical reconnaissance/intelligence cycle, tactical air control system and air role in battlefield reconnaissance, verticle photographic interpretation, reconnaissance vehicles, and research and development.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (5/74).

AF-1606-0058

Photo Interpretation Technician

Course Number: ATS20650-2.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 4 weeks (120 hours).

Exhibit Dates: 9/61–12/68.

Objectives: To train enlisted personnel in photographic interpretation fundamentals.

Instruction: Lectures in photometrics, photographic mission planning, use of maps and charts, film titling and plotting, aerial photographic interpretation, vertical and oblique metrics, nuclear weapons orientation, military equipment and installations, and intelligence reporting.

Credit Recommendation: In the upper-division baccalaureate category, credit in photographic interpretation on the basis of institutional evaluation (12/68).

AF-1606-0059

1. Photographic Intelligenceman
   (Air Intelligence Airman)
2. Intelligence Operations Specialist

Course Number: *Version 1:* 3ABR20630-1, ABR20430-1. *Version 2:* ABR20430; AB20430.

Location: *Version 1:* School of Applied Aerospace Sciences, Lowry AFB, CO. *All Versions:* 3415th Technical School, Lowry AFB, CO. *Version 2:* 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 14–18 weeks (402–506 hours). *Version 2:* 10–11 weeks (300 hours).

Exhibit Dates: *Version 1:* 7/64–12/73. *Version 2:* 6/54–6/64.

Objectives: To train enlisted personnel to perform intelligence operations and photographic and radar interpretation.

Instruction: Lectures and practical exercises in intelligence fundamentals; map, photographic, and radar interpretation; intelligence collection and dissemination; intelligence estimating and area studies; and mission planning and targeting.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 4 semester hours in photographic interpretation (12/68). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in intelligence methods (12/68).

AF-1606-0060

Intelligence Operations Specialist

Course Number: 3ABR20430.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 8–9 weeks (236–272 hours).

Exhibit Dates: 7/70–12/73.

Objectives: To train enlisted personnel to assist in intelligence production management.

Instruction: Lectures in organization for intelligence, handling and safeguarding intelligence information, target planning, training personnel in intelligence, imagery intelligence, administrative documents preparation, oral presentations, electronic data processing and data-handling systems, and the organization and mission of intelligence agencies.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1606-0061

1. Imagery Intelligence Officer
2. Intelligence Photo-Radar Officer

Course Number: 3OBR8041.

Location: *Version 1:* Technical Training Center, Lowry AFB, CO. *Version 2:* 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 24 weeks (720 hours). *Version 2:* 23 weeks (678 hours).

Exhibit Dates: *Version 1:* 7/72–12/73. *Version 2:* 7/70–6/72.

Objectives: To train officers to be intelligence specialists.

Instruction: Lectures and practical exercises in intelligence operations fundamentals, basic coordinate systems, automatic data processing, photogrammetry, tactical photographic mission planning, imagery interpretation, radar operations, and multisensor imagery reporting.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in political science, 2 in geography, 1 in meteorology (1/74). *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1606-0062

Intelligence Operations Technician

Course Number: ATS20450-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 4 weeks (120 hours).

Exhibit Dates: 9/61-12/68.

Objectives: To train officer and enlisted personnel in intelligence fundamentals and the tactical use of air intelligence.

Instruction: Lectures in oral briefing preparation techniques; aircraft recognition; intelligence organizations and functions; the intelligence cycle and process; maps and charts; combat survival; tactical air defense operations; introduction to photographic interpretation; and Soviet radar, flak, and electronic countermeasures.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (5/74).

AF-1606-0063

Helicopter Instructor Pilot Training

Course Number: IHIPN; IHIPNA; IHIPF; IHIPFA; IH3PI; IH3P2/3; IH53P1; IH53P2; IH53P3.

Location: Aerospace Rescue and Recovery Service, Kirtland AFB, NM.

Length: 2-6 weeks (111-174 hours).

Exhibit Dates: 8/77-Present.

Objectives: To train helicopter pilots to perform as instructors.

Instruction: Subjects covered include systems transition, procedures, instruments, operations, and general aircrew training on the specific helicopter system.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (11/77). the course (11/77).

AF-1606-0064

Flight Mechanic Advanced Flying

Course Number: H53M1; H53M2.

Location: Aerospace Rescue and Recovery Service, Kirtland AFB, NM.

Length: 4-10 weeks (66-116 hours).

Exhibit Dates: 10/77-Present.

Objectives: To qualify pilots in the H-53 helicopter.

Instruction: Many variables are involved in helicopter training; course provides training sufficient to prepare aircrew member for simulator and then aircraft flying training.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (11/77). the course (11/77).

AF-1606-0065

Pilot Advanced Flying

Course Number: H53P1; H53P2.

Location: Aerospace Rescue and Recovery Service, Kirtland AFB, NM.

Length: 4-10 weeks (70-127 hours).

Exhibit Dates: 10/77-Present.

Objectives: To qualify pilots in the H-53 helicopter.

Instruction: Course provides training sufficient to prepare aircrew member for simulator and then aircraft flying training.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (11/77). course (11/77).

AF-1606-0066

Helicopter Instructor Pilot (H-1, H-1N, H-1F, CH-3, CH-53, HH-53)

Course Number: 1025D; 1025DAN; 1025DAF; 1025E1; 1025E2/3; 1025F1; 1025F2.

Location: Aerospace Rescue and Recovery Service, Hill AFB, UT.

Length: 2-6 weeks (40-178 hours).

Exhibit Dates: 10/75-Present.

Objectives: To train and qualify helicopter pilots as instructor pilots.

Instruction: Emphasis is given to developing judgment, initiative, and ability to lead. Students ability to instruct is developed.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (11/77). course (11/77).

AF-1606-0068

Helicopter Pilot Instructor Training (H-43/TH-IF/CH-3)

Course Number: F-V5E-C/D/E.

Location: Air Training Command, Sheppard AFB, TX.

Length: 6 weeks (367 hours).

Exhibit Dates: 4/70-12/73.

Objectives: To train helicopter pilots to perform as helicopter pilot instructors.

Instruction: Lectures and practical exercises in flight instructor training. Course includes aerodynamics, fundamentals of instruction, and engineering and operation.

Credit Recommendation: Credit is not recommended because of the specialized nature of the course (6/74).

AF-1606-0069

Combat Crew Training Fighter (F-84F)

(Combat Crew Training, Fighter (F-84F))

(Combat Crew Training, Fighter (F-84 E/F))

Course Number: 112101A.

Location: Air Training Command, Luke AFB, AZ.

Length: 18 weeks (548 hours).

Exhibit Dates: 11/54-12/68.

Objectives: To train pilots to operate F-84F aircraft and weapon systems.

Instruction: Lectures and flight training in F-84F aircraft, including bombing, rocketry, gunnery, navigation, special weapons training, applied tactics, air combat maneuvering, and instruments operation.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (12/68).

AF-1606-0070

Combat Crew Training Fighter (T-33/F-84)

(Combat Crew Training Fighter (F-84E) Phase II—80 Hour Phase)

Course Number: 112103A.

Location: Air Training Command, Luke AFB, AZ.

Length: 6-12 weeks (202-387 hours).

Exhibit Dates: 1/55-12/68.

Objectives: To train pilots to operate jet fighter aircraft and weapon systems.

Instruction: Lectures and flight training in jet fighter aircraft operation, including gunnery, applied tactics, instrument operation, formation flying and acrobatics, synthetic instrument training, intelligence, physiological training, and flying safety.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (12/68).

AF-1606-0071

USAF Combat Flying School, Interceptor (T-33/F-89D)—Pilot

Course Number: 112104B.

Location: Air Training Command, Moody AFB, GA.

Length: 14 weeks (439 hours).

Exhibit Dates: 12/56-12/68.

Objectives: To train rated pilots to operate T-33 and F-89D aircraft.

Instruction: Lectures and practical exercises in pilot duties in specific interceptor aircraft, including flight instrument fundamentals, navigation, meteorology, formation flying, interception techniques, tactics, rocketry, and specific equipment engineering instruction.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-1606-0072

USAF Combat Flying School, Interceptor (T-33/F-89D)—Radar Observer

Course Number: 112104B.

Location: Air Training Command, Moody AFB, GA.

Length: 7 weeks (276 hours).

Exhibit Dates: 12/56-12/68.

Objectives: To train rated radar observers to perform as operationally ready crew members in T-33 and F-89D aircraft.

Instruction: Lectures and practical exercises in crew duties in specific interceptor aircraft, including instrument familiarization, interception techniques, tactics, rocketry, weather and weather flight, and specific equipment engineering instruction.

Credit Recommendation: Credit is not recommended because of the military specific nature of the course (12/68).

AF-1606-0073

USAF Combat Flying School, Interceptor (T-33/F-94C)—Pilot

Course Number: 112103B.

Location: Air Training Command, Moody AFB, GA.

Length: 14 weeks (429 hours).

Exhibit Dates: 11/56-12/68.

Objectives: To provide pilots with training in combat flying techniques.

Instruction: Lectures and practical exercises in combat flying techniques. Topics include flight instrument fundamentals, navigation, meteorology, formation flying, intercept techniques, tactics, and rocketry.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-1606-0074

USAF Combat Flying School, Interceptor (T-33/F-94C)—Radar Observer

Course Number: 112103B.

Location: Air Training Command, Moody AFB, GA.
Length: 7 weeks (259 hours).
Exhibit Dates: 11/56–12/68.
Objectives: To train rated observers in combat flying techniques.
Instruction: Lectures and field exercises in the duties of a radar observer on a specific aircraft. Topics include instrument familiarization, intercept techniques, tactics, and rocketry.
Credit Recommendation: Credit is not recommended because of the military specific nature of the course (12/68).

AF-1606-0075

Advanced Observer, Tactical Reconnaissance and Bombardment Training

Course Number: 1521012C; 1521012G-1.
Location: Air Training Command, Mather AFB, CA.
Length: 25 weeks (736 hours).
Exhibit Dates: 2/55–12/68.
Objectives: To train enlisted personnel to perform as tactical reconnaissance and bombardment specialists.
Instruction: Lectures and practical exercises in the duties of reconnaissance and bombardment specialists. Course includes specialized training in K-system bombing and reconnaissance; SHORAN navigation; and material related to atomic, chemical, and biological warfare.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (6/74).

AF-1606-0076

Advanced Observer, Strategic Reconnaissance and Bombardment Training

Course Number: 152101F-1.
Location: Air Training Command, Mather AFB, CA.
Length: 20 weeks (586 hours).
Exhibit Dates: 2/55–12/68.
Objectives: To train enlisted personnel to perform as strategic reconnaissance and bombardment specialists.
Instruction: Lectures and practical exercises in the duties of strategic reconnaissance and bombardment specialists, including K-system bombing and reconnaissance, and classified material related to atomic, biological, and chemical warfare.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-1606-0077

Interceptor Pilot Training (F-86L)
(USAF Advanced Interceptor Pilot Training F-86L)

Course Number: 112100A.
Location: Air Training Command, Perrin AFB, TX; Air Training Command, Moody AFB, GA.
Length: 22 weeks (624 hours).
Exhibit Dates: 6/58–12/68.
Objectives: To train rated jet pilots to be alert ready on F-86L equipment.
Instruction: Lectures and practical exercises in flying specific aircraft, including instrument flying, transition and familiarization, basic and advanced radar intercept training, applied tactics, specific equipment engineering, jet flight planning, techniques of weather flight, navigational aids, airborne interception, and countermeasures and special weapons.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-1606-0078

Instrument Pilot, Jet

Course Number: 112103.
Location: Air Training Command, Perrin AFB, TX; Air Training Command, Tyndall AFB, FL.
Length: 6 weeks (142–153 hours).
Exhibit Dates: 7/54–12/68.
Objectives: To train rated pilots to operate jet aircraft instrumentation.
Instruction: Lectures and practical exercises in the operation of jet aircraft instrumentation, including basic instrument flying, radio navigation, instrument landing systems, meteorology and weather flying techniques, and equipment construction.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-1606-0079

Basic Observer Reconnaissance BORB-36/47/52

Course Number: 152100F.
Location: Air Training Command, James Connally AFB, TX.
Length: 26 weeks (756 hours).
Exhibit Dates: 1/54–12/68.
Objectives: To train primary observer course graduates in aircraft observation and reconnaissance.
Instruction: Lectures and practical exercises in navigation, bombing, radar, and special and photo reconnaissance missions, including navigation; reconnaissance; radar flight missions; bombing; air navigation techniques; reconnaissance equipment; mission planning; air procedures; and weather reporting.
Credit Recommendation: In the upper-division baccalaureate category, credit in navigation on the basis of institutional evaluation (12/68).

AF-1606-0080

Navigator Bombardier AN/ASQ-38(V)
(Navigator Bombardier Training (ASQ-38))

Course Number: B-V7A-S-O; B-V7A-S; 51B-V7A-R; B-V7A-A; 152106B.
Location: Air Training Command, Mather AFB, CA.
Length: 13–28 weeks (347–701 hours).
Exhibit Dates: 8/65–Present.
Objectives: To train navigators to perform as navigator-bombardiers on aircraft equipped with the AN/ASQ-38 weapons control system.
Instruction: Lectures and practical exercises on the functions of navigator-bombardiers, including AN/ASQ-38 computers, radar, ancillary equipment, operations and malfunction analysis; AGM-28 grid, solo navigation and bombing; integrated navigation and bombing; bomb navigation systems; and basic and advanced operations.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-1606-0082

USAF Combat Flying School, Interceptor (F-94C)—Pilot
(USAF Advanced Flying School (Interceptor-F-94C)—Pilot)

Course Number: 112101B.
Location: Air Training Command, Moody AFB, GA.
Length: 14–18 weeks (420–461 hours).
Exhibit Dates: 4/54–12/68.
Objectives: To train pilots to operate F-94C jet interceptor aircraft under all weather conditions.
Instruction: Lectures and practical exercises in the operation of F-94C jet interceptor aircraft under all weather conditions, including instrumentation, target flying, operation of specific aircraft systems, navigational aids, techniques in weather flight, engineering systems in specific equipment, airborne interception, intelligence, applied tactics, and rocketry.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-1606-0083

USAF Combat Flying School, Interceptor (F-94C)—Radar Observer
(USAF Advanced Flying School (Interceptor-F-94C)—Radar Observer)

Course Number: 112101B.
Location: Air Training Command, Moody AFB, GA.
Length: 14–18 weeks (301–359 hours).
Exhibit Dates: 4/54–12/68.
Objectives: To train radar observers to operate equipment in the F-94C aircraft in all-weather flight conditions.
Instruction: Lectures and practical exercises in F-94C equipment operation in all-weather flight conditions, including instrumentation, target flying, operation of specific aircraft systems, navigational aids, weather and techniques in all-weather flight, engineering systems in specific equipment, airborne interception, intelligence, applied tactics, and rocketry.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-1606-0084

Navigator Bombardier Upgrade Training (FB-111)

Course Number: B-V7A-D.
Location: Air Training Command, Mather AFB, CA.
Length: 9 weeks (218–226 hours).
Exhibit Dates: 11/68–Present.
Objectives: To train officers to perform as navigator-bombardiers on FB-111 aircraft.
Instruction: Lectures and practical exercises on the functions of navigator-bombardiers, including FB-111 avionics; navigation display and computer control units; optical display sight set; basic ECM principles; armament systems; astrocompass (ASQ-119); advanced avionics; control and display set; specific countermeasures receiver set, dispenser set, and trackbreaker; weapons release requirements; armament system review; simulator training; and mission planning.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-1606-0086

Basic Observer Reconnaissance Training RB-57/66

Course Number: 152101C-1.
Location: Flying Training Air Force, Mather AFB, CA.
Length: *Version 1:* 36 weeks (649 hours). *Version 2:* 26 weeks (691 hours).

Exhibit Dates: *Version 1:* 3/55-12/68. *Version 2:* 1/54-2/55.

Objectives: To train aviation cadets, nonrated officer graduates of the primary observer course, and other rated officers to perform as aircraft observers.

Instruction: Lectures and practical exercises in navigation, reconnaissance, and SHORAN flight missions; navigation; bombing; reconnaissance; radar; SHORAN; atomic, biological, and chemical warfare; and officer training.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in navigation on the basis of institutional evaluation (12/68). *Version 2:* In the upper-division baccalaureate category, credit in navigation on the basis of institutional evaluation (12/68).

AF-1606-0087

USAF Advanced Flying School, Interceptor (F-89D)—Pilot

Course Number: 112102B.

Location: Air Training Command, Moody AFB, GA.

Length: 14-18 weeks (458-482 hours).

Exhibit Dates: 4/54-12/68.

Objectives: To train rated pilots to operate the F-89D jet interceptor under all weather conditions.

Instruction: Lectures and practical exercises in the operation of the F-89D jet interceptor under all weather conditions, including flight instruments, specific equipment operation, target flying, flight missions, navigational aids, flight weather, intelligence, applied tactics, interception techniques, and rocketry.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-1606-0088

USAF Advanced Flying School, Interceptor (F-89D)—Radar Observer

Course Number: 112102B.

Location: Air Training Command, Moody AFB, GA.

Length: 14-18 weeks (341-394 hours).

Exhibit Dates: 4/54-12/68.

Objectives: To train rated radar observers to perform as crew members for F-89D jet interceptors under all weather conditions.

Instruction: Lectures and practical exercises in crew duties in F-89D jet interceptors flown under all weather conditions, including radar interpretation, tactics, flight instruments, navigation aids, specific equipment operation, target flying, flight missions, flight weather, intelligence, interception techniques, and rocketry.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-1606-0089

AFS Fighter, Jet (T-33)—Phase I
(USAF Advanced Flying School, Fighter (T-33)—Phase I)

Course Number: 112101A; 112103A; 112104A.

Location: Air Training Command, Laughlin AFB, TX.

Length: 6 weeks (187 hours).

Exhibit Dates: 5/54-12/68.

Objectives: To train pilots to fly jet fighter aircraft.

Instruction: Lectures and practical exercises in jet fighter aircraft, including formation flying, acrobatics, instrument flying, night transition, air-to-ground gunnery, air-to-air gunnery, applied tactics, aircraft operations, armament and fighter gunnery, practical maintenance, intelligence, physiological indoctrination, and flying safety.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-1606-0090

Navigator Reconnaissance Upgrading Training (RF-4C)

Course Number: 51-B-V7B-A; 153104R.

Location: Air Training Command, Mather AFB, CA.

Length: 4 weeks (110-117 hours).

Exhibit Dates: 9/66-Present.

Objectives: To provide navigators with advanced training in aerial navigation.

Instruction: Lectures and practical exercises in reconnaissance procedures. Course includes radar, mission planning, and ECM techniques.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-1606-0091

Helicopter Pilot Transition Training (TH-1)

Course Number: F-V5F-G-O.

Location: Air Training Command, Sheppard AFB, TX.

Length: 6 weeks (128 hours).

Exhibit Dates: 4/68-Present.

Objectives: To train helicopter pilots to fly specific helicopters.

Instruction: Lectures and field exercises in the operation of TH-1F helicopters. Course includes familiarization with machinery, gauges, aerodynamics, engineering, and flight training.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (6/74).

AF-1606-0092

Advanced Observer Strategic Bombardment

Course Number: 152101A.

Location: Air Training Command, Mather AFB, CA.

Length: 20 weeks (508 hours).

Exhibit Dates: 5/55-12/68.

Objectives: To train rated observers to perform as navigator-bombardiers in strategic bombardment aircraft.

Instruction: Lectures and practical exercises in the duties of a navigator-bombardier. Topics include radar target intelligence, K-System operation, and atomic, chemical, and biological warfare.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-1606-0093

Experimental Test Pilot

Course Number: 1344.

Location: Air Training Command, Edwards AFB, CA.

Length: 36 weeks (380 hours).

Exhibit Dates: 7/62-12/68.

Objectives: To train pilots to fly experimental aircraft.

Instruction: Lectures and practical exercises in piloting experimental aircraft. Topics include advanced aerodynamics, advanced physics, and performance flight test experience.

Credit Recommendation: In the upper-division baccalaureate category, credit in aeronautics (including aerodynamics) on the basis of institutional evaluation (12/68).

AF-1606-0095

Flexible Gunnery Training Turret System Mechanic Gunner, B-36

Course Number: ZZ32351A.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 8 weeks (210 hours).

Exhibit Dates: 5/54-12/68.

Objectives: To train enlisted personnel to perform as aerial gunners.

Instruction: Lectures and field exercises in aerial gunnery. Course includes the operation, inspection, and operational maintenance of gunner's equipment, and the principles, procedures, and techniques of aerial gunnery.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course. (12/68).

AF-1606-0096

Interceptor Pilot Instructor Training (F-102)

Course Number: F112501D.

Location: Air Training Command, Perrin AFB, TX.

Length: 9 weeks (293 hours).

Exhibit Dates: 5/61-12/68.

Objectives: To train interceptor pilots as instructor pilots.

Instruction: Lectures and practical exercises in instruction techniques and knowledge necessary for interceptor pilots to train personnel in the operation of specific interceptor aircraft. Course includes flight training, simulator training, aircraft systems familiarization, survival and personal equipment, engineering, airborne intercept, NORAD doctrine and weapons familiarization, and officer training.

Credit Recommendation: No credit because of the specialized nature of the course (12/68).

AF-1606-0097

Turret Systems Gunner (B-36)

Course Number: ZZ32331B.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 7-12 weeks (210-330 hours).

Exhibit Dates: 4/56-12/68.

Objectives: To train personnel as senior turret system gunners.

Instruction: Lectures and practical exercises in the duties of turret system gunners for B-36 aircraft and in the principles, procedures and techniques of aerial gunnery, including fundamentals of electricity and radar; use of electrical test instruments and equipment; operation, assembly, disassembly and malfunction analysis of 20-mm automatic guns and associated equipment; OQ range training; specific radar gunlaying system; standard operating and emergency procedures; and crew coordination.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-1606-0098

Gunlaying System Mechanic Gunner, B-36
(Flexible Gunnery Training Gunlaying System Mechanic Gunner, B-36)

Course Number: ZZ32351B.

Location: 3415th Technical School, Lowry AFB, CO.
Length: 8 weeks (240 hours).
Exhibit Dates: 5/54–12/68.
Objectives: To train enlisted personnel to perform as aerial gunners.
Instruction: Lectures and practical exercises in aerial gunnery. Topics include operation, inspection, and maintenance of gun-laying equipment, and the principles, procedures, and techniques of aerial gunnery.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-1606-0100

Interceptor Pilot Training (F-102)

Course Number: 112100D.
Location: Air Training Command, Perrin AFB, TX.
Length: 22 weeks (619 hours).
Exhibit Dates: 7/61–12/68.
Objectives: To train officers as interceptor pilots.
Instruction: Lectures and practical exercises in interceptor aircraft operation. Topics include jet flight planning, maintenance concerns, radar intercept training, and applied tactics.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-1606-0101

Pilot Instructor Training (T-38)

Course Number: F111509Q.
Location: Air Training Command, Randolph AFB, TX; Air Training Command, Undergraduate Pilot Training Bases.
Length: 5–6 weeks (140–148 hours).
Exhibit Dates: 12/61–12/68.
Objectives: To train undergraduate pilot training instructors as instructors in T-38 aircraft.
Instruction: Lectures and practical exercises in instruction techniques and procedures for flying T-38 aircraft, including formation flying, instrument flying, and navigation. Academic training includes aviation physiology, instrument procedures and radio aids, aircraft engineering, applied aerodynamics, and flight planning.
Credit Recommendation: Credit is not recommended because of the specialized nature of the course (12/68).

AF-1606-0102

Jet Qualification Training (T-33)
(Jet Qualification)

Course Number: 111500Q; 112110; 112110-1.
Location: Air Training Command, Randolph AFB, TX; Air Training Command, Craig AFB, TX.
Length: 4–7 weeks (114–167 hours).
Exhibit Dates: 7/54–12/68.
Objectives: To qualify rated pilots to operate T-33 aircraft.
Instruction: Lectures and practical exercises on the operation of the T-33 aircraft, including flight indoctrination, cockpit procedures trainer, day and night transitions (solo and dual), cross-country navigation, day formation, instruments, aviation physiology, engineering, jet flight planning, weather, and radio aids.
Credit Recommendation: Credit is not recommended because of the specialized nature of the course (12/68).

AF-1606-0103

Officer Pre-Flight Training (Pilot)

Course Number: 111100B; ZZ112100B; OPM1100; 52-OB0010.
Location: Air Training Command, Lackland AFB, TX.
Length: 4 weeks (118–160 hours).
Exhibit Dates: 7/55–12/68.
Objectives: To prepare AFROTC graduates for officers' duties and to provide primary pilot training.
Instruction: Lectures and practical exercises on officers' duties and responsibilities and primary pilot training, including air power and science, drill and ceremonies, flight training, pay aid allowances, physical training, special projects, small arms, troop duty, combat problems, voice command, military training time, and parachute jumping techniques.
Credit Recommendation: Credit is not recommended because of the specialized nature of the course (12/68).

AF-1606-0104

Officer Pre-Flight Training
(Navigator)

Course Number: 150000B; ZZ112100C.
Location: Air Training Command, Lackland AFB, TX.
Length: 4 weeks (160 hours).
Exhibit Dates: 3/57–7/59.
Objectives: To provide commissioned graduates and Air National Guard Officers with officer pre-flight training (pilot and navigator).
Instruction: Lectures and practical exercises on pilot and navigator pre-flight training, including officer responsibilities, leadership problems, aviation physiology, drills and ceremonies, physical training, air power and science, navigator training orientation, officer responsibilities, pay and allowances, parachute jumping techniques, special projects, small arms, and troop duty.
Credit Recommendation: Credit is not recommended because of the specialized nature of the course (12/68).

AF-1606-0105

USAF Advanced Flying School,
Fighter F-86F
(USAF Advanced Flying School, Fighter (F-86))

Course Number: 112102A.
Location: Air Training Command, Williams AFB, AZ; Air Training Command, Nellis AFB, NV.
Length: 12–20 weeks (447–526 hours).
Exhibit Dates: 7/54–12/68.
Objectives: To train pilots to operate the F-86F jet fighter aircraft.
Instruction: Lectures and practical exercises in the operation of the F-86F fighter aircraft, including flying training; ground support and aerial combat training; instruments; air-to-air and air-to-ground gunnery; applied tactics; armament; aircraft operation and maintenance; tactical intelligence; special weapons training; and physiological indoctrination.
Credit Recommendation: Credit is not recommended because of the specialized nature of the course (12/68).

AF-1606-0106

1. Navigator Bombardier Training
2. Navigator Bombardier Training (MA-6A/7A)
   (Advanced Navigator Radar Bombardment Training)
3. Advanced Navigator Reconnaissance Bombardment
4. Advanced Navigator Reconnaissance Bombardment
   (Advanced Observer Reconnaissance Bombardment)

Course Number: *Version 1:* 152105. *Version 2:* 152104A. *Version 3:* 152103A. *Version 4:* 152103A; 152103.
Location: Air Training Command, Mather AFB, CA.
Length: *Version 1:* 23–24 weeks (550–585 hours). *Version 2:* 28 weeks (832–855 hours). *Version 3:* 8–22 weeks (516 hours). *Version 4:* 21–42 weeks (1060–1104 hours).
Exhibit Dates: *Version 1:* 11/63–12/68. *Version 2:* 6/49–10/63. *Version 3:* 7/58–5/59. *Version 4:* 5/56–6/58.
Objectives: To train rated navigators to use computer radar bombing and navigation systems.
Instruction: *All Versions:* Lectures and practical exercises in radar navigation and bombing systems, grid navigation, tactical reconnaissance, system computers and interconnect equipment, and operating procedures. *Version 2:* Instruction includes electricity and magnetism, electrical laboratory, and radar fundamentals. *Version 3:* Instruction includes electricity and magnetism, electrical laboratory, radar fundamentals, and navigation. *Version 4:* Instruction includes navigation.
Credit Recommendation: *Version 1:* No credit because of the military nature of the course (12/68). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in electricity and credit in electrical laboratory on the basis of institutional evaluation (12/68). *Version 3:* In the upper-division baccalaureate category, 4 semester hours in navigation, 2 in electricity, and credit in electrical laboratory on the basis of institutional evaluation (12/68). *Version 4:* In the upper-division baccalaureate category, 5 semester hours in navigation (12/68).

AF-1606-0107

USAF Advanced Flying School,
Fighter (F-86)

Course Number: 112104A.
Location: Air Training Command, Nellis AFB, NV.
Length: 6 weeks (217 hours).
Exhibit Dates: 2/55–12/68.
Objectives: To train pilots to operate F-86 jet fighter aircraft.
Instruction: Lectures and practical exercises in the operation of F-86 jet aircraft, including systems familiarization, formation, instruments (T-33), air-to-air and air-to-ground gunnery, applied tactics, armament and fighter gunnery, tactical operations, physiological indoctrination, and flying safety.
Credit Recommendation: Credit is not recommended because of the specialized nature of the course (12/68).

AF-1606-0108

USAF Advanced Flying School,
Interceptor (T-33/F-86L)
(Interceptor, F-86D/L)
(All-Weather Interceptor, Jet (F-86D))

Course Number: 112102C.
Location: Air Training Command, Moody AFB, GA; Air Training Command, Perrin AFB, TX; Air Training Command, Tyndall AFB, FL.

Length: 18 weeks (515-574 hours).
Exhibit Dates: 7/54-12/68.
Objectives: To train jet pilots to be alert ready in specific interceptor aircraft.
Instruction: Lectures, practical exercises and aircraft proficiency training in specific interceptor aircraft. Topics include engineering, airborne intercept, rocket training, applied tactics, radar interceptions, conversion techniques, flight simulators, aircraft and familiarization.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-1606-0109

AVIATION CADET PRE-FLIGHT (PILOT AND NAVIGATOR)
(Aviation Cadet Pre-Flight (Pilot))
(Preflight Training for Aviation Cadets)

Course Number: 111100A; 150000A; APM01100; ZZ112100; ZZ112100-P-O.
Location: Air Training Command, Lackland AFB, TX.
Length: 12 weeks (446-528 hours).
Exhibit Dates: 4/55-12/68.
Objectives: To prepare pre-flight aviation cadets for training at flying training bases.
Instruction: Lectures and practical exercises in pilot training, including AF career training, aviation science, leadership, marksmanship, small arms, parachute landing techniques, program and squadron orientation, physical training, drill and command, inspections and parades, customs and courtesies, and intelligence.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-1606-0110

PRIMARY PILOT TRAINING (T-34/T-28)
(Primary Pilot Training (PA-18/T-6))

Course Number: 112101-1.
Location: Air Training Command, Columbus AFB, MS; Air Training Command, Bainbridge AFB, GA; Air Training Command, Bartow AFB, FL; Air Training Command, Graham AFB, FL; Air Training Command, Hondo AFB, TX; Air Training Command, Malden AFB, MO; Air Training Command, Marana AFB, AZ; Air Training Command, Moore AFB, TX; Air Training Command, Spence AFB, GA; Air Training Command, Stallings AFB, NC.
Length: 24 weeks (539-549 hours).
Exhibit Dates: 9/54-12/68.
Objectives: To train aviation cadets in visual and instrument flight.
Instruction: Lectures and practical exercises in visual and instrument flight. Topics include aircraft engineering, radio communications, principles of flight, flight instruments, navigation and weather.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in primary meteorology and navigation, and credit in advanced military at institutions which regularly offer such credit (12/68).

AF-1606-0111

HELICOPTER PILOT TRANSITION TRAINING (CH-3, H-43, H-1F)

Course Number: F-V5F-B/C/G.
Location: Air Training Command, Sheppard AFB, TX.
Length: 6 weeks (70-82 hours).
Exhibit Dates: 3/69-12/73.
Objectives: To train fixed-wing pilots to fly and operate rotary-wing aircraft (helicopters).
Instruction: Lectures and practical exercises in the operation of helicopters, flying techniques, and familiarization with helicopter instruments. Topics include helicopter aerodynamics, engineering, policy and procedures, navigation, formation, and other operational concerns.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (6/74).

AF-1606-0112

HELICOPTER PILOT CONVERSION TRAINING, (H-1F/H-43) (H-1F/CH-3)

Course Number: F-V5F-D/E.
Location: Air Training Command, Sheppard AFB, TX.
Length: 12 weeks (159-171 hours).
Exhibit Dates: 3/69-12/73.
Objectives: To train fixed-wing pilots to fly and operate rotary-wing aircraft (helicopters).
Instruction: Lectures and practical exercises in the operation of helicopters, flying techniques, and helicopter instruments familiarization. Topics include helicopter aerodynamics engineering, policy and procedures, navigation, formation, and other operational concerns.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (6/74).

AF-1606-0113

HELICOPTER PILOT CONVERSION TRAINING (H-1F)

Course Number: F-V5F-F.
Location: Air Training Command, Sheppard AFB, TX.
Length: 10-12 weeks (122-142 hours).
Exhibit Dates: 3/69-12/73.
Objectives: To train pilots in the operation of specific helicopters.
Instruction: Lectures and practical exercises in the operation of specific helicopters. Course is geared to instructing fixed-wing pilots and familiarizing them with the instruments and operation of rotary-wing aircraft. Topics include policy and procedures, helicopter aerodynamics, engineering, instrument controls, formation, and navigation.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (6/74).

AF-1606-0114

ELECTRONIC WARFARE TRAINING (SPECIALIZED F-4 PILOT)

Course Number: 1115R04.
Location: Air Training Command, Nellis AFB, NV.
Length: 4 weeks (92 hours).
Exhibit Dates: 3/67-12/68.
Objectives: To train pilots to operate radar and electronic warfare equipment on F-4 aircraft.
Instruction: Lectures and practical exercises in electronic warfare equipment and devices. Topics include radar analysis, equipment, radar order-of-battle analysis, audio analysis, and trainer missions.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-1606-0115

NAVIGATOR BOMBARDIER UPGRADE TRAINING (ASQ-38)
(Upgrading, B-52 Aircraft)
(Upgrading, B-52 Aircraft (AN/ASQ-38 Weapons Control System))

Course Number: 152152B; 152152A.
Location: Air Training Command, Mather AFB, CA.
Length: 6-9 weeks (157-185 hours).
Exhibit Dates: 9/55-12/68.
Objectives: To train navigator-bombardiers for duty on aircraft equipped with the AN/ASQ-38 weapons control system.
Instruction: Lectures and practical exercises on the duties of navigator-bombardiers on aircraft equipped with the AN/ASQ-38 weapons control system, including specific computers, radar and ancillary equipment; operating procedures and malfunction analysis; advanced operating procedures and ADM/AGM; and specific weapons control system theory.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-1606-0116

ADVANCED FIGHTER TRAINING (T-33/F-86) (MAP/ANG)

Course Number: 111104A.
Location: Air Training Command, Williams AFB, AZ.
Length: 12 weeks (331 hours).
Exhibit Dates: 6/58-12/68.
Objectives: To provide pilots with advanced fighter training.
Instruction: Lectures and field exercises in advanced fighter training. Course includes jet aircraft gunnery, flight tactics, navigation, and aircraft familiarization.
Credit Recommendation: Credit is not recommended because of the specialized nature of the course (12/68).

AF-1606-0117

F-111A WEAPONS SYSTEM TRAINING (MARK I)
(F-111A Weapons System Training (NAV/PILOT))
(F-111A Weapons System Training)

Course Number: F-V5H-A; F-V5H-A-0; 1111085.
Location: Air Training Command, Nellis AFB, NV; Air Training Command, Cannon AFB, NM.
Length: 9 weeks (243-256 hours).
Exhibit Dates: 9/67-Present.
Objectives: To train rated pilots in the principles of radar, its employment, and in the use of F-111A avionic systems.
Instruction: Lectures and practical exercises on the principles of radar, its employment, and the operation of F-111A avionic systems, including F-111A navigation systems; bombing and weapon systems; radar air combat techniques and ECM; avionic systems operation; and simulator, mission planning and simulator critique.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-1606-0119

INSTRUMENT PILOT TRAINING (C-47)

Course Number: F-V5D-B; F-V5D-B-0; 104502P.
Location: Air Training Command, Keesler AFB, MS; Air Training Command, Randolph AFB, TX; Air Training Command, Moody AFB, GA.
Length: 6 weeks (127-156 hours).

Exhibit Dates: 11/62–Present.

Objectives: To train multiengine aircraft pilots to become instrument pilots in specific aircraft.

Instruction: Lectures and practical exercises in instrument pilot duties. Topics include flight line policies, instruments and instrument procedure, synthetic instrument trainer, weather, air masses and fronts, restriction of visibility, icing, turbulence, thunderstorms, upper air charts and phenomena, weather station services and facilities, and the use of weather data for flight planning.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1606-0120

USAF COMBAT FLYING SCHOOL, LIGHT BOMB JET (B-57)—PILOT

Course Number: 122100B.

Location: Air Training Command, Randolph AFB, TX.

Length: 10 weeks (365 hours).

Exhibit Dates: 4/55–12/68.

Objectives: To train pilots to operate specific weapons systems.

Instruction: Lectures and practical exercises in the operation of specific weapons systems. Topics include radar bombing systems operation, engine operations, gunnery equipment, navigation systems, aviation physiology, emergency procedures, basic survival, and high-altitude weather.

Credit Recommendation: Credit is not recommended because of the specialized nature of the course (12/67).

AF-1606-0121

USAF COMBAT FLYING SCHOOL, LIGHT BOMB JET (B-57)—OBSERVER

Course Number: 122100B.

Location: Air Training Command, Randolph AFB, TX.

Length: 8 weeks (286 hours).

Exhibit Dates: 4/55–12/68.

Objectives: To train enlisted personnel to operate specific weapons systems.

Instruction: Lectures and practical exercises in the operation of specific weapons systems. Topics include radar bombing systems operation, engine operations, gunnery equipment, navigation systems, aviation physiology, emergency procedures, basic survival, and high-altitude weather.

Credit Recommendation: Credit is not recommended because of the specialized nature of the course (12/68).

AF-1606-0122

USAF ADVANCED FLYING SCHOOL, FIGHTER F-100A (PHASE II)

Course Number: 112101A; 112102A.

Location: Air Training Command, Nellis AFB, NV.

Length: 6 weeks (145 hours).

Exhibit Dates: 12/56–12/68.

Objectives: To train personnel in advanced fighter flying.

Instruction: Lectures and practical exercises in advanced fighter flying, including navigation, formation, instruments, air combat maneuvering, air-to-air gunnery, ground support, academic and flight line ground training, and fighter operation.

Credit Recommendation: Credit is not recommended because of the specialized nature of the course (12/68).

AF-1606-0123

INSTRUCTOR INTERCEPTOR, JET (F-86D/L)

Course Number: I-112102C.

Location: Air Training Command, Perrin AFB, TX.

Length: 20 weeks (624 hours).

Exhibit Dates: 6/57–12/68.

Objectives: To train jet pilots as instructors in F-86D/L jet interceptors.

Instruction: Lectures and practical exercises in the duties of jet interceptor instructors, including flight instruments, navigation, weather flight, survival, briefing, preflight, instruments, interceptor target, synthetic trainer C-11, and teaching fundamentals.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-1606-0124

BASIC PILOT TRAINING
(Basic Pilot Training, Single-Engine (Jet))

Course Number: 111102; 112102.

Location: Air Training Command, Greenville AFB, MS; Air Training Command, Laredo AFB, TX; Air Training Command, Craig AFB, AL; Air Training Command, Reese AFB, TX; Air Training Command, Vance AFB, OK; Air Training Command, Webb AFB, TX; Air Training Command, Bryan AFB, TX.

Length: 22 weeks (284–322 hours).

Exhibit Dates: 10/54–12/68.

Objectives: To train officers to pilot single-engine jet aircraft.

Instruction: Lectures and practical exercises in single-engine jet operation, including flight training, navigation, instrument flight, and meteorology.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1606-0125

BASIC PILOT TRAINING, MULTI-ENGINE

Course Number: 122100; 122100-1.

Location: Air Training Command, Goodfellow AFB, TX; Air Training Command, Reese AFB, TX; Air Training Command, Vance AFB, OK.

Length: 22 weeks (245–260 hours).

Exhibit Dates: 7/54–12/68.

Objectives: To train officers as pilots for multiengine aircraft.

Instruction: Lectures and practical exercises in ground and flight training for multiengine aircraft, including flying formations, navigation, instrumentation, flight operations, weather, celestial navigation, nuclear weapons delivery, survival training, aircraft recognition, communications equipment, emergency procedures, and TB-25 aircraft fuel, hydraulic, electrical, oil, engine, and starter systems.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1606-0126

AFS FIGHTER, JET (F-100)
(Fighter Course, Unit Conversion, F-100)

Course Number: 112405A; 112105A.

Location: Air Training Command, Nellis AFB, NV.

Length: 6 weeks (147 hours).

Exhibit Dates: 1/56–12/68.

Objectives: To train pilots in F-100 aircraft weapons systems.

Instruction: Lectures and practical exercises in F-100 aircraft weapons systems, including flight check-out, transition, and acrobatics procedures; various flight formations; aircraft instruments and navigation; aerial gunnery use at various altitudes; fundamental and applied tactics; emergency procedures; cockpit familiarization; flight characteristics; fuel, flight control, engine, hydraulic, electrical, heating, and ventilation systems of the F-100 aircraft; communications equipment; and preflight inspections and flight planning.

Credit Recommendation: Credit is not recommended because of the military specific nature of the course (7/74).

AF-1606-0127

MEDICAL OFFICER FLIGHT FAMILIARIZATION TRAINING (T-37)
(Medical Officer Flight Familiarization Training (T-33))

Course Number: S-V8E-A; 51-935000.

Location: Air Training Command, Perrin AFB, TX; Air Training Command, Randolph AFB, TX.

Length: 5–8 weeks (106–125 hours).

Exhibit Dates: 1/63–Present.

Objectives: To train aerospace medicine residents in flight familiarization and the problems of flight personnel.

Instruction: Lectures and practical exercises in flight familiarization and the problems of flight personnel, including aviation physiology, flight planning, instrument and radio aids, flight aerodynamics, flight training and navigation, weather, and aircraft engineering.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (7/74).

AF-1606-0128

ADVANCED HELICOPTER TRAINING
(Pilot Advanced Flying (HH-43) ARRS)

Course Number: 1025C-1.

Location: Aerospace Rescue and Recovery Service, Hill AFB, UT.

Length: 10–12 weeks (116–124 hours).

Exhibit Dates: 5/72–Present.

Objectives: To provide H-43 helicopter pilots with transition and tactical flight training.

Instruction: Lectures and practical exercises on H-43 helicopter engineering and operations, including familiarization, utility systems, flight controls, power plant, transmission and rotors, malfunction analysis and maintenance, search and rescue procedures, remote area operations, and engineering review.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (6/75).

AF-1606-0129

H-43 FIREFIGHTING

Course Number: 571XC-1.

Location: Aerospace Rescue and Recovery Service, Hill AFB, UT.

Length: 5 weeks (63 hours).

Exhibit Dates: 5/72–Present.

Objectives: To provide H-43 helicopter pilots with transition flight training and firefighting.

Instruction: Lectures and practical exercises in transition flight training for H-43 helicopter pilots, with emphasis on firefighting, including introduction to H-43 rescue and fire suppression; H-43 rescue configuration; emergency procedures, equipment, and egress; cargo sling/dummy fire kit operation; rescue hoist procedures; airborne fire suppression kit; care and operation of firefighting equipment; fire suppression procedures; rescue and evacuation; and crew duties for ground support.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (7/74).

AF-1606-0130

Pararescue Advanced Flying Training—LBR

Course Number: 923X0-5.

Location: Aerospace Rescue and Recovery Service, Hill AFB, UT.

Length: 5 weeks (63 hours).

Exhibit Dates: 5/72–Present.

Objectives: To provide H-43 helicopter pilots with transition flight training.

Instruction: Lectures and practical exercises in transition flight training for H-43 helicopter pilots, with emphasis on rescue duty, including rescue operations and training; scanning and pyrotechnics; aircrew survival training; NORAD safe-passage procedures; rescue configuration; emergency procedures, equipment and egress; and rescue hoist procedures.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (7/74).

AF-1606-0131

H-1 Helicopter Pilot

(Advanced Helicopter Pilot Training (H-1/H-3/H-43/H-53))

Course Number: H1P1; H1P2; 1025D7; 1025D7A; 1025D8; 1025D8A; 1025C-F.

Location: Aerospace Rescue and Recovery Service, Kirtland AFB, NM; Aerospace Rescue and Recovery Service, Hill AFB, UT.

Length: 4–12 weeks (45–156 hours).

Exhibit Dates: 7/71–Present.

Objectives: To train helicopter pilots in advanced tactical maneuvers in the H-1, H-3, H-43, or H-53 helicopter.

Instruction: Lectures and practical exercises in advanced helicopter training, including advanced flight maneuvers, night flight, remote operations, cargo operations, navigation, aircraft familiarization, and flight training.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (7/74).

AF-1606-0132

F-111A Weapons System Training (Aircraft Commander)

Course Number: 51-F-V5H-B.

Location: Air Training Command, Nellis AFB, NV.

Length: 3 weeks (91 hours).

Exhibit Dates: 7/68–Present.

Objectives: To train aircraft commanders in the operation and use of the F-111A avionics system.

Instruction: Lectures and practical exercises in the operation and use of the F-111A avionics system, including weapons system capability, inertial alignment procedures, attack radar modes of operation, simulator procedures, radar types, terrain-following operation, countermeasures dispenser set, conventional munitions control system, avionics system operation, and integrated mission procedures.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (7/74).

AF-1606-0133

Navigator-Bombardier Upgrade Training (ASQ-42)

(Upgrading, B-58 Aircraft)

(Upgrading B-58 Aircraft (AN/ASQ-42 Weapons Control System))

Course Number: 152158C; 152158.

Location: Air Training Command, Mather AFB, CA.

Length: 5–6 weeks (127–166 hours).

Exhibit Dates: 8/59–12/68.

Objectives: To train navigator-bombardiers to navigate and bomb with the AN/ASQ-42 weapons control system.

Instruction: Lectures and practical exercises on navigation and bombing with the AN/ASQ-42 weapons control system, including integrated weapon system orientation, Doppler radar set, heading and stabilization computers, search radar set, and sighting and bombing computers.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-1606-0134

Navigator-Bombardier Upgrade Training (ASQ-48)

Course Number: 152152D.

Location: Air Training Command, Mather AFB, CA.

Length: 7–8 weeks (151–192 hours).

Exhibit Dates: 7/63–12/68.

Objectives: To train navigator-bombardiers to operate the AN/ASQ-48 weapons control system.

Instruction: Lectures and practical exercises in operation of the AN/ASQ-48 weapons control system, including specific navigation and bombing computers, directional reference system and operational procedures, radar system, and operational procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1606-0135

Basic Observer B-36, B-47 and B-52

Course Number: 152100A-1.

Location: Air Training Command, Mather AFB, CA; Air Training Command, James Connally AFB, TX.

Length: 24 weeks (716 hours).

Exhibit Dates: 5/54–12/68.

Objectives: To train graduates of primary observer courses to perform as navigator-bombardiers (observers) on B-36, B-47, and B-52 aircraft.

Instruction: Lectures and practical exercises in the duties of a navigator-bombardier on B-36, B-47, and B-52 aircraft. Course includes navigation training (including celestial), radar bombing and navigation, officer training, and atomic, biological, and chemical warfare.

Credit Recommendation: In the upper-division baccalaureate category, credit in navigation on the basis of institutional evaluation (12/68).

AF-1606-0136

Upgrading B-66 Aircraft

Course Number: 152110C-1.

Location: Air Training Command, Mather AFB, CA.

Length: 6 weeks (162 hours).

Exhibit Dates: 11/55–12/68.

Objectives: To train navigator-bombardiers to operate the K-5 and APS-27 radars.

Instruction: Lectures and practical exercises in the performance of navigation and radar reconnaissance duties using K-5 APS-27 radars. Course includes use of radar equipment, radar operations, reconnaissance procedures, and radar bombing.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-1606-0137

Flight Screening Program, T-41

Course Number: S-V8A-A.

Location: School of Military Sciences, Officer, Lackland AFB, TX.

Length: 3 weeks (51–52 hours).

Exhibit Dates: 5/73–Present.

Objectives: To provide commissioned officers with basic flight instruction.

Instruction: Lectures and practical exercises in basic flight maneuvers in preparation for undergraduate pilot training. Course includes basic flight training, air policies and procedures, and flying safety.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1606-0138

Pilot Advanced Flying (TH-1F) Basic

Course Number: 1025D-0.

Location: Aerospace Rescue and Recovery Service, Hill AFB, UT.

Length: 4 weeks (48 hours).

Exhibit Dates: 4/72–Present.

Objectives: To train pilots to pilot H-1 helicopters.

Instruction: Lectures and practical exercises in the operation of H-1 helicopters. Course includes all aspects of flight procedure, including flight checks, safety, and general flight training.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (7/74).

AF-1606-0139

Pilot Advanced Flying (TH-1F) SAC

Course Number: 1025D-1.

Location: Aerospace Rescue and Recovery Service, Hill AFB, UT.

Length: 8 weeks (100 hours).

Exhibit Dates: 4/72–Present.

Objectives: To train pilots to pilot H-1 helicopters.

Instruction: Lectures and practical exercises in the operation of H-1 helicopters. Course includes all aspects of flight procedure, including flight checks, safety, and general flight training.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (7/74).

AF-1606-0140

Pilot Advanced Flying (UH-1N) Basic

Course Number: 1025D-3.

Location: Aerospace Rescue and Recovery Service, Hill AFB, UT.

Length: 4 weeks (41 hours).

Exhibit Dates: 4/72–Present.

Objectives: To train pilots to pilot H-1 helicopters.

Instruction: Lectures and practical exercises in the operation of H-1 helicopters. Course includes all aspects of flight procedure, including flight checks, safety, and general flight training.

Credit Recommendation: No credit because of the military nature of the course (7/74).

AF-1606-0141

Basic Pilot Instructor, Multi-Engine Conventional

Course Number: F112101P-1.

Location: Air Training Command, Goodfellow AFB, TX; Air Training Command, Reese AFB, TX; Air Training Command, Vance AFB, OK.

Length: 6 weeks (163 hours).

Exhibit Dates: 4/55–12/68.

Objectives: To train rated pilots to teach pilot trainees to fly the TB-25 multiengine aircraft.

Instruction: Lectures and practical exercises in flight instruction, including teaching techniques concerned with contact, formation, instruments, and navigation; engineering for instructor pilots; principles of learning, training aids and curricula materials; lesson planning and practice briefing; navigational flight planning; specific instrument trainer; and techniques of flight instrument.

Credit Recommendation: In the upper-division baccalaureate category, credit in instructional methods on the basis of institutional evaluation (12/68).

AF-1606-0142

Fighter Gunnery Instructor

Course Number: G112100A.

Location: Fighter Weapons School, Nellis AFB, NV.

Length: 10 weeks (379 hours).

Exhibit Dates: 7/54–12/68.

Objectives: To train pilots to be gunnery instructors.

Instruction: Lectures and practical exercises in the functions of gunnery instructors, including flight training, harmonization, aerial attack, film assessing, sights, ground attack, training equipment, fighter weapons, techniques of instruction, flying safety, and field trips.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-1606-0143

Army Primary Pilot Training

Course Number: 105400-1.

Location: Air Training Command, Edward Gary AFB, TX.

Length: 17 weeks (515–556 hours).

Exhibit Dates: 10/53–12/68.

Objectives: To provide Army officers with training in the basic principles of visual, instrument, and night flying.

Instruction: Lectures and practical exercises in advanced tactics training, including flight training, aircraft engineering, weather, principles of flight, navigation, radio communications, flight instruments, flight planning, and aural and visual code.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in primary meteorology and navigation, and credit in advanced military at institutions which normally offer such credit (12/68).

AF-1606-0144

Pilot Instructor Training, Basic Multi-Engine (T-28)

Course Number: F112108BME-1.

Location: Air Training Command, Craig AFB, AL.

Length: 7 weeks (235 hours).

Exhibit Dates: 4/54–12/68.

Objectives: To train rated pilots to teach basic pilot trainees to fly the T-28 multiengine aircraft.

Instruction: Lectures and practical exercises in basic multiengine aircraft principles and techniques, including flight training and techniques of flight instruction, grading and evaluation procedures, engineering, analysis of instrument maneuvers, navigation, analysis of contact maneuvers, weather principles, psychology of instruction and developmental approach, flight instrumentation, flight planning, radio aids, and aerodynamics and flight theory.

Credit Recommendation: In the upper-division baccalaureate category, credit in instructional methods on the basis of institutional evaluation (12/68).

AF-1606-0145

1. Undergraduate Navigator Training
2. Undergraduate Navigator Training
3. Undergraduate Navigator Training
4. Undergraduate Navigator Training
5. Undergraduate Navigator Training (Primary-Basic Navigator Training)
6. Undergraduate Navigator Training (Primary-Basic Navigator Training)
7. Primary-Basic Navigator Training
8. Primary-Basic Navigator Training

Course Number: *Version 1:* N-V-6A-B; N-V6A-F; 5-N-V6A-A; N-V6A-D. *Version 2:* 5-N-V6A-A; 153132. *Version 3:* 153138. *Version 4:* 153138. *Version 5:* 153138; 153132; 153130. *Version 6:* 153138; 153132; 153130. *Version 7:* 153101. *Version 8:* 153101.

Location: *Version 1:* Air Training Command, Mather AFB, CA. *Version 2:* Air Training Command, Mather AFB, CA. *Version 3:* Air Training Command, Connally AFB, TX. *Version 4:* Air Training Command, Connally AFB, TX. *Version 5:* Air Training Command, Connally AFB, TX. *Version 6:* Air Training Command, Harlingen AFB, TX. *Version 7:* Air Training Command, Ellington AFB, TX. *Version 8:* Air Training Command, Harlingen AFB, TX.

Length: *Version 1:* 28–36 weeks (384–818 hours). *Version 2:* 38 weeks (852–946 hours). *Version 3:* 37 weeks (935 hours). *Version 4:* 44 weeks (954–1030 hours). *Version 5:* 30–38 weeks (805–862 hours). *Version 6:* 30–38 weeks (805–862 hours). *Version 7:* 42 weeks (1158 hours). *Version 8:* 42 weeks (1158 hours).

Exhibit Dates: *Version 1:* 8/71–Present. *Version 2:* 8/65–7/71. *Version 3:* 2/65–7/65. *Version 4:* 11/62–1/65. *Version 5:* 9/57–10/62. *Version 6:* 9/57–10/62. *Version 7:* 4/57–8/57. *Version 8:* 4/57–8/57.

Objectives: To train personnel as navigators.

Instruction: *All Versions:* Lectures and practical exercises in navigation, including dead-reckoning, day celestial, night celestial, grid, and radar navigation; aviation physiology, weather; equipment; and flight training. *Version 1:* Topics include flight training, map reading and radar, life support systems, aircraft and navigational equipment, aural code, aircraft systems, flight publications, navigation procedures, over-water navigation, advanced operations, and low-level navigation. *Version 2:* Topics include basic navigation procedures, aural and visual code, radar navigation, aircraft electrical system, special techniques, over-water navigation, ECCM familiarization, and flight publications. *Version 3:* Topics include survival, basic navigation procedures, aural and visual code, map reading and radio, electricity and magnetism, alternating current, vacuum tubes, special techniques and aids, over-water navigation, and electronic warfare orientation. *Version 4:* Topics include survival, basic navigation procedures, electricity and magnetism, aural and visual code, map reading and radio, alternating current, vacuum tubes, basic radio, Loran/Consol navigation, pressure differential flying, special techniques and aids, weapons orientation, and electronic warfare orientation. *Version 5:* Topics include code, nuclear weapons delivery; aircraft recognition; maps, charts, and DR equipment; dead-reckoning aids; air plot and DR techniques; Loran; pressure differential; operational techniques; electricity and magnetism; alternating current; vacuum tubes; radio and Loran; and radar systems. *Version 6:* Topics include code, nuclear weapons delivery; aircraft recognition; maps, charts, and DR equipment; dead-reckoning aids; air plot and DR techniques; Loran; pressure differential; operational techniques; electricity and magnetism; alternating current; vacuum tubes; radio and Loran; and radar systems. *Version 7:* Topics include aural and visual code; maps, charts, and dead-reckoning equipment; dead-reckoning aids; DR techniques and air plot; Loran navigation; pressure differential flying; operational techniques; nuclear weapons delivery training; and survival. *Version 8:* Topics include aural and visual code; maps, charts, and dead-reckoning equipment; dead-reckoning aids; DR techniques and air plot; Loran navigation; pressure differential flying; operational techniques; nuclear weapons delivery training; and survival.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 6 semester hours in navigation (7/74). *Version 2:* In the lower-division baccalaureate/associate degree category, 6 semester hours in navigation (7/74); in the upper-division baccalaureate category, 6 semester hours in navigation (12/68). *Version 3:* In the lower-division baccalaureate/associate degree category, 2 semester hours in electricity (12/68); in the upper-division baccalaureate category, 6 semester hours in navigation (12/68). *Version 4:* In the lower-division baccalaureate/associate degree category, 2 semester hours in electricity (12/68); in the upper-division baccalaureate category, 6 semester hours in navigation, and credit in advanced military at institutions which normally offer such credit (12/68). *Version 5:* In the lower-division baccalaureate/associate degree category, 6 semester hours in navigation (7/74); in the upper-division baccalaureate category, 6 semester hours in navigation, and credit in advanced military at institutions which normally offer such credit (12/68). *Version 6:* In the lower-division baccalaureate/associate degree category, 6 semester hours in navigation (7/74); in the upper-division baccalaureate category, 6 semester hours in navigation, and credit in advanced military at institutions which normally offer such credit (12/68). *Version 7:* In the lower-division baccalaureate/associate degree category, 2 semester hours in electricity (12/68); in the upper-division baccalaureate category, 6 semester hours in navigation, and credit in advanced military at institutions which normally offer such credit (12/68). *Version 8:* In the lower-division baccalaureate/associate degree category, 2 semester hours in electricity (12/68); in the upper-division baccalaureate category, 6 semester hours in navigation, and credit in advanced military at institutions which normally offer such credit (12/68).

AF-1606-0146

Navigator/Bombardier System Training (FB-111)

Course Number: 51-F-V5H-E.
Location: Air Training Command, Mather AFB, CA.
Length: 3 weeks (82 hours).
Exhibit Dates: 5/69–Present.
Objectives: To train pilots in the operation of FB-111 avionics equipment, with emphasis on bombing.
Instruction: Practical exercises in avionics and mission planning.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (2/74).

AF-1606-0149

HC-130 Aircrew Instructor Training

Course Number: I-HC130P1; I-HC130RO1; I-HC130N1; I-HC130FE1; I-HC130LM1; I-1035B1; I-1535Z1; I-A293X31; I-A435X0A1; I-A607706.
Location: Aerospace Rescue and Recovery School, Hill AFB, UT.
Length: 8 weeks (131–168 hours).
Exhibit Dates: 11/74–Present.
Objectives: To train and qualify personnel to perform as instructor pilot (I-1035B1); instructor navigator (I-1535Z1); instructor radio operator (I-A293X31); instructor flight engineer (I-A435X0A1); or instructor loadmaster (I-A607706).
Instruction: Instruction in the principles of instructing and practical exercises in piloting, navigation, radio operation, flight engineering, and loadmaster techniques.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in aircrew instructional methods (6/75).

AF-1606-0151

USAF Advanced Fighter Training (F-86F)

Course Number: 111102A.
Location: Air Training Command, Williams AFB, AZ.
Length: 18 weeks (483 hours).
Exhibit Dates: 6/58–12/58.
Objectives: To qualify pilots as crew members in the combat fundamentals of operating F-86F aircraft.
Instruction: Lectures and flying training to include instrument training; ground support and aerial combat training; formation; and navigation.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (10/75). (10/75).

AF-1701-0001

Air Conditioning Engineering

Course Number: Not available.
Location: Civil Engineering School, Wright-Patterson AFB, OH.
Length: 6 weeks (253 hours).
Exhibit Dates: 4/73–Present.
Objectives: To train engineers to apply current technology to building enviromental control systems.
Instruction: Lectures and practical exercises in air conditioning engineering at the advanced level. Course includes management concerns, psychrometrics, load estimating, refrigeration principles, equipment selection, load analysis, design analysis, systems, piping design, duct design, electrical controls, and design problems.
Credit Recommendation: In the upper-division baccalaureate category, 12 semester hours in air conditioning engineering (6/74).

AF-1701-0002

MA-1 and MA-3 Air Conditioners, Field and Organizational (F & O) Maintenance

Course Number: ATS42153-9.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 3 weeks (90 hours).
Exhibit Dates: 9/61–12/68.
Objectives: To train enlisted personnel to troubleshoot and repair the mechanical portions of vapor-compressing refrigeration systems.
Instruction: Lectures and practical exercises in the repair of vapor-compressing refrigeration systems. Course includes fundamentals of the refrigeration cycle, refrigeration system components, and troubleshooting of the mechanical system.
Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1701-0003

Ground Support Air Conditioner (B-58)

Course Number: ATS42153-39.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 3 weeks (90 hours).
Exhibit Dates: 12/60–12/68.
Objectives: To train enlisted personnel to troubleshoot and repair the mechanical portions of a vapor-compressing refrigeration system.
Instruction: Lectures and practical exercises in the repair of the mechanical portions of a vapor-compressing system. Course includes the fundamentals of the refrigeration cycle, refrigeration system components, and troubleshooting of the mechanical system.
Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1701-0004

Heating Systems Specialist
(Heating Specialist)

Course Number: 3ABR54730; ABN54730; AB56530.
Location: *Version 1:* School of Applied Aerospace Sciences, Sheppard AFB, TX. *Version 2:* 3750th Technical School, Sheppard AFB, TX. *Version 3:* 3450th Technical School, Warren AFB, WY.
Length: 10–11 weeks (288–342 hours).
Exhibit Dates: 1/56–12/73.
Objectives: To train airmen to operate, install, maintain, and repair heating systems.
Instruction: Lectures and practical exercises in the operation, installation, repair, and maintenance of heating systems, including electrical fundamentals, heating control systems, fuel-burning equipment, warm and hot water heating systems, unit heaters, central boiler plants, automatic and hand-fired furnaces, and boiler water testing and treatment.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1701-0005

Central Heating Plant Specialist

Course Number: 3AZR54750A; 5AZN54750A-1; AZN54750A-1.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 5 weeks (150–198 hours).
Exhibit Dates: 3/67–12/73.
Objectives: To train enlisted personnel to operate and maintain heating plants.
Instruction: Lectures and practical exercises in combustion principles; characteristics of fuels; fundamentals of electricity; operating principles and maintenance of gas, oil, and coal burners; establishing fuel requirements; operating principles and maintenance of steam, hot-water, and high-temperature water heating systems; boiler water testing and treatment; corrosion control; personnel certification requirements; and maintenance of operating logs and records.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1701-0006

KC-135 Mechanical Accessories and Equipment Repairman

Course Number: ATS42251-13; SS42251-13.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 3 weeks (90 hours).
Exhibit Dates: 4/58–12/68.
Objectives: To train enlisted personnel to maintain KC-135 aircraft and accessories.
Instruction: Lectures and practical exercises in the maintenance of KC-135 aircraft and accessories. Course includes cabin pressurization, fire extinguishers, air conditioning and refrigeration, and defrost systems.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1701-0007

Aircraft Environmental Systems Repairman
(Mechanical Accessories and Equipment Repairman)

Course Number: 3ABR42231; ABR42231; AB42231.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 15–17 weeks (450–480 hours).
Exhibit Dates: 10/54–12/73.
Objectives: To train selected enlisted personnel to maintain and repair air-conditioning and anti-icing systems.
Instruction: Lectures and practical exercises in the maintenance and repair of air-conditioning and anti-icing systems. Course includes fundamentals; electrical principles; basic air systems; air conditioning and pneumatics; miscellaneous equipment; and oxygen and fire-extinguishing equipment.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1703-0001

AF/S32R-2 Refueler Field and Organizational (F & O) Maintenance

Course Number: ATS47152-47.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 3 weeks (90 hours).
Exhibit Dates: 7/61–12/68.

Objectives: To train personnel to maintain a specific refueler.

Instruction: Lectures and practical exercises on the cleaning, adjustment, and maintenance of simple hydraulic components, including the operation and operator maintenance of the AF/S32R-2 refueler and applicable safety precautions; repair of pumping system components; repair of pressure control system components; valve selector, eductor control valve, main line control valve, hi and lo flo regulators; piping system, fuel filters and automatic water drain valves; electrical system; automatic transmission; and operational test and troubleshooting.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1703-0002

VEHICLE BODY REPAIR

Course Number: 3ABR47331.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL.

Length: 10-11 weeks (300-330 hours).

Exhibit Dates: 2/70-12/73.

Objectives: To train enlisted personnel to repair vehicle bodies.

Instruction: Lectures and practical exercises in vehicle body repair, including operation safety, set-up, storage, handling, and use of oxyacetylene welding equipment and materials; use of body and fender tools and equipment; metal bumping, dinging, and shrinking; use of lead and plastic fillers; preparation of metal for painting; application of primers and fillers; trim and hardware replacement; glass cutting and replacement; body parts alignment and adjustment; and corrosion control and spray painting.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1703-0003

O-11A, O-11B AND O-6 CRASH FIRE TRUCK MAINTENANCE

Course Number: 3AZR47251A; AZR47152-2.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL.

Length: 4-5 weeks (150 hours).

Exhibit Dates: 11/65-12/73.

Objectives: To train enlisted personnel to maintain O-11A, O-11B, and O-6 crash fire trucks.

Instruction: Lectures and practical exercises in crash fire trucks operation and maintenance, including engines, power trains, steering systems, dispensing systems, heating systems, electrical systems, hydraulic systems, components, and subassemblies.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1703-0004

SPECIAL VEHICLE REPAIRMEN (MATERIALS HANDLING VEHICLE)

Course Number: 3ABR47231C.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL.

Length: 14-15 weeks (430-512 hours).

Exhibit Dates: 1/73-12/73.

Objectives: To train enlisted personnel to maintain and repair aircraft-towing, fire-fighting, recovery, and refueling vehicles.

Instruction: Lectures and practical exercises in the maintenance and repair of special vehicles including aircraft-towing, fire-fighting, recovery, and refueling vehicles. Course includes repair of diesel and gasoline engines, engine electrical systems, power train, brake and steering systems, automatic transmissions, aircraft-refueling vehicles, truck-mounted cranes, recovery and towing tractors, and engine tune-ups.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1703-0005

SPECIAL VEHICLE REPAIRMAN (TOWING AND SERVICING VEHICLE)

Course Number: 3ABR47231-1.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL.

Length: *Version 1:* 14 weeks (512 hours). *Version 2:* 10 weeks (398 hours).

Exhibit Dates: *Version 1:* 7/73-12/73. *Version 2:* 2/73-6/73.

Objectives: To train airmen to perform as special vehicle repairmen (towing and servicing vehicles).

Instruction: *All Versions:* Lectures and practical exercises in the functions of special vehicle repairmen, including inspection, service, testing, adjustments, troubleshooting, and repairing towing and servicing vehicles; gasoline and diesel engine tune-up and repair; transmission servicing and adjustment; cooling and lubrication systems servicing and repair; power train repair; steering and brake systems repair and adjustment; electrical and hydraulic systems servicing and repair; anti-pollution and emission control systems inspection and servicing; preparation of vehicles for climatic conditions, storage, shipment, and corrosion control; safety; maintenance management; communications security; publications; and test and repair equipment. *Version 2:* Topics include driver education, supplemental military training, troop information program, and briefings.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in automotive power plants (7/74). *Version 2:* In the upper-division baccalaureate category, 4 semester hours in automotive power plants (7/74).

AF-1703-0006

GENERAL PURPOSE VEHICLE REPAIRMAN

Course Number: 3ABR47330.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL.

Length: 12-13 weeks (360-390 hours).

Exhibit Dates: 1/70-12/73.

Objectives: To train enlisted personnel to repair passenger cars and light- and medium-duty trucks.

Instruction: Lectures and practical exercises in the mechanics and repair of passenger cars and light- and medium-duty trucks. Course includes gasoline engines, fuel systems, electrical systems, chassis and suspension, power trains, and brakes.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in power plants and tune-up, 3 in automobile electrical systems, 3 in power trains (7/74).

AF-1703-0007

GENERAL PURPOSE VEHICLE REPAIRMAN (ACCELERATED)

Course Number: 3ABR47330.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL.

Length: 9-10 weeks (270-300 hours).

Exhibit Dates: 1/70-12/73.

Objectives: To train enlisted personnel to repair passenger cars and light- and medium-duty trucks.

Instruction: Lectures and practical exercises in the mechanics and repair of passenger cars and light- and medium-duty trucks. Course includes gasoline engines, fuel systems, electrical systems, chassis and suspension, power trains, and brakes.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in power plants and tune-up, 3 in automobile electrical systems, 3 in power trains (7/74).

AF-1703-0008

AUTOMOTIVE AC ELECTRICAL SYSTEMS

Course Number: 3AZR47350-2.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL.

Length: 3 weeks (78-94 hours).

Exhibit Dates: 8/72-12/73.

Objectives: To train maintenance personnel to repair automotive electrical systems.

Instruction: Lectures and practical exercises in the duties of automotive electrical systems technicians. Course includes theory of operation, transistor application, voltage regulators, troubleshooting, and repair and testing of AC system components.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in automotive electronics (7/74).

AF-1703-0009

SPECIAL VEHICLE REPAIRMAN (REFUELING VEHICLE)

Course Number: 3ABR47231B.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL.

Length: 12 weeks (360-432 hours).

Exhibit Dates: 1/73-12/73.

Objectives: To train airmen to perform as special vehicle repairmen (refueling vehicles).

Instruction: Lectures and practical exercises on the functions of special vehicle repairman, including introduction to special vehicle repair and vehicle engines; engine fuel systems, maintenance management, and electrical systems; automotive electrical systems; vehicle chassis systems; refueler components and systems; and pressure control and bottom-loading systems.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1703-0010

VEHICLE MAINTENANCE TECHNICIAN

Course Number: AA47170.

Location: 3450th Technical School, Warren AFB, WY.

Length: 19 weeks (570 hours).

Exhibit Dates: 6/55-12/68.

Objectives: To train selected senior-level specialists to maintain and inspect representative types of general-purpose, special-purpose, and construction equipment.

Instruction: Lectures and practical exercises in maintenance and inspection of general-purpose, special-purpose and construction equipment. Course includes publications, maintenance of power-train units and use of special equipment, maintenance of engines and electrical equipment, including use of diagnostic and reconditioning equipment, troubleshooting procedures, on-the-job training, and shop supervision.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in advanced garage practice (7/74).

AF-1703-0011

Vehicle Body Repair

Course Number: 3AZR47351; 3AZR47153.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 8 weeks (240 hours).

Exhibit Dates: 10/67–12/73.

Objectives: To train selected enlisted personnel to repair vehicle bodies, including body and fender repair, primer and paint, glass cutting and replacement, and alignment and adjustment of body parts.

Instruction: Lectures and practical exercises in vehicle body repair. Course includes gas welding, body and fender repair (using hand and power tools), metal preparation and finishing techniques, body alignment, cab components, glass cutting, and painting.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1703-0012

General Purpose Automatic
Transmission Maintenance

Course Number: 3AZR47350-3.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL.

Length: 3 weeks (120 hours).

Exhibit Dates: 7/73–12/73.

Objectives: To train maintenance personnel as repairmen on general-purpose vehicle automatic transmissions.

Instruction: Lectures and practical exercises in the repair of general-purpose vehicle automatic transmissions, including basic hydraulic principles; planetary gear systems; transmission test instruments; troubleshooting, repair, and testing of specific transmissions; and general maintenance procedures.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in automotive technology (7/74).

AF-1703-0013

Front End Alignment, Operation and
Maintenance
(Wheel Alignment Equipment, Operation
and Maintenance)

Course Number: ATS47151-18; ATS47151-4.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 3 weeks (90 hours).

Exhibit Dates: 3/59–12/68.

Objectives: To train enlisted personnel in front end alignment, operation, and maintenance.

Instruction: Lectures and practical exercises in front end alignment, operation, and maintenance, including suspension design, tire and wheel balancing, alignment methods, equipment operation and repair, steering gearboxes and adjustments, Visualiner use and preparations, prealignment inspection, and troubleshooting of steering malfunctions.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1703-0014

1. Automotive Repairman
2. Automotive Repairman
3. Automotive Repairman
4. Automotive Mechanic

Course Number: *Version 1:* 3ABR47131. *Version 2:* ABR47131; AB47131. *Version 3:* ABR47131; AB47131. *Version 4:* AB47131.

Location: *Version 1:* 3345th Technical School, Chanute AFB, IL. *Version 2:* 3345th Technical School, Chanute AFB, IL. *Version 3:* 3450th Technical School, Warren AFB, WY. *Version 4:* 3450th Technical School, Warren AFB, WY.

Length: *Version 1:* 13 weeks (360 hours). *Version 2:* 14–16 weeks (340–420 hours). *Version 3:* 14–16 weeks (340–420 hours). *Version 4:* 17 weeks (510 hours).

Exhibit Dates: *Version 1:* 6/67–12/68. *Version 2:* 12/54–5/67. *Version 3:* 12/54–5/67. *Version 4:* 1/54–11/54.

Objectives: To train enlisted personnel as general automotive technicians.

Instruction: Lectures and laboratories in gasoline engine theory and repair, suspension and chassis fundamentals and servicing, transmission and final-drive maintenance, automotive electrical systems, and repair procedures.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 4:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1703-0015

Senior Maintenance Mechanic

Course Number: 53-43151-F100C.

Location: 3499th Mobile Training Wing, Chanute AFB, IL.

Length: 3 weeks (97 hours).

Exhibit Dates: 8/55–12/68.

Objectives: To train fighter aircraft mechanics to inspect and maintain F100 aircraft.

Instruction: Lectures and practical exercises in inspection and maintenance of F100 aircraft, including general airplane familiarization, airframe components and systems, engine description, electrical systems, hydraulic systems, armament weapons familiarization, fire control system, and communications.

Credit Recommendation: In the upper-division baccalaureate category, credit in automotive systems on the basis of institutional evaluation (7/74).

AF-1703-0016

Special Vehicle Repairman
(Crash/Fire Vehicles)

Course Number: 3ABR47231A.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL.

Length: *Version 1:* 16 weeks (590 hours). *Version 2:* 16 weeks (460 hours).

Exhibit Dates: *Version 1:* 7/73–12/73. *Version 2:* 1/73–6/73.

Objectives: To train enlisted personnel to service and repair crash and fire vehicles.

Instruction: Lectures and practical exercises in the servicing and repair of crash and fire vehicles. Course includes gasoline and diesel engine tune-up and repair, electrical systems repair, emission control system inspection and adjustment, transmission service and adjustment, and steering and brakes servicing.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1703-0017

Vehicle Diagnostic Test Equipment

Course Number: 3AZR47350-1; AZR47151-1.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL.

Length: 6 weeks (180–240 hours).

Exhibit Dates: 11/65–12/73.

Objectives: To train enlisted personnel to use modern automotive test equipment to diagnose and repair defects in automotive vehicles.

Instruction: Lectures and practical exercises in the use of diagnostic automotive equipment. Course includes chassis and front-end alignment, automotive electrical systems, fuel and ignition systems, and use of diagnostic equipment.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in engine diagnosis (7/74).

AF-1704-0001

407L Air Traffic Regulation Center
Controller/Technician

Course Number: 2ASR27250-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 4 weeks (120 hours).

Exhibit Dates: 9/71–12/73.

Objectives: To qualify enlisted personnel having air traffic control experience as officers and technicians in console operation.

Instruction: Practical experience in surveillance, identification, and air traffic regulation.

Credit Recommendation: Credit is not recommended because of the specialized nature of the course (2/74).

AF-1704-0002

Air Traffic Control Officer

Course Number: *Version 1:* 3OBR1631. *Version 2:* OBR1631; OB1631.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 16–17 weeks (480–510 hours). *Version 2:* 12–14 weeks (420–476 hours).

Exhibit Dates: *Version 1:* 2/69–12/73. *Version 2:* 3/58–1/69.

Objectives: To provide officers and enlisted personnel with training in all phases of air traffic control, qualifying them for FAA control tower certification.

Instruction: Lectures and practical exercises in air traffic control operations, including VFR and IFR radar/nonradar traffic control, meteorology, navigation, and FAA certification instruction and examination.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 8 semester hours in air traffic control (3/74). *Version 2:* In the upper-division baccalaureate category, credit in meteorology or air navigation on the basis of institutional evaluation (12/68).

AF-1704-0003

Air Traffic Control Officer Procedures

Course Number: 3OLR1611-2.

Location: 3380th Techical School, Keesler AFB, MS.

Length: 6 weeks (192 hours).

Exhibit Dates: 8/68–12/73.

Objectives: To train officers and enlisted personnel in air traffic control procedures.

Instruction: Lectures and practical exercises in air traffic control procedures, including flight operations, .terminal instrument procedures, and radar and nonradar air traffic control.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0004

Air Traffic Control Technician

Course Number: AA27270.

Location: Technical School, Keesler AFB, MS.

Length: 11 weeks (330 hours).

Exhibit Dates: 3/54–12/68.

Objectives: To train enlisted personnel to perform the duties of air traffic control technicians.

Instruction: Lectures and practical exercises in air traffic control procedures, including navigational computer operation, meteorology, movement of air traffic, plotting and reporting, radar scope information interpretation, and air traffic congestion control procedures.

Credit Recommendation: In the upper-division baccalaureate category, credit in air navigation or meteorology on the basis of institutional evaluation (12/68).

AF-1704-0005

Air Traffic Control Operator

Course Number: *Version 1:* 3ABR27230. *Version 2:* 3ABR27230. *Version 3:* 3ABR27230. *Version 4:* ABR27230.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 24 weeks (720 hours). *Version 2:* 16 weeks (480 hours). *Version 3:* 16 weeks (450 hours). *Version 4:* 18 weeks (510 hours).

Exhibit Dates: *Version 1:* 5/72–12/73. *Version 2:* 3/70–4/72. *Version 3:* 1/68–2/70. *Version 4:* 12/63–12/67.

Objectives: To train airmen as air traffic control operators.

Instruction: *All Versions:* Lectures and practical exercises in air navigational aids, weather, air traffic regulations, air-route and airport traffic control, flight assistance service, communication procedures, conventional and radar approach control, and landing control radar. *Version 1:* Performance training in IFR radar/nonradar terminal traffic control.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the upper-division baccalaureate category, credit in meteorology and navigation on the basis of institutional evaluation (12/68). *Version 4:* In the upper-division baccalaureate category, credit in meteorology and navigation on the basis of institutional evaluation (12/68).

AF-1704-0006

1. Aircraft Landing Control Operator
   (Apprentice Aircraft Landing Control Operator)
2. Aircraft Landing Control Technician

Course Number: *Version 1:* AB27232. *Version 2:* AA27272.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 15–18 weeks (450–510 hours).

Exhibit Dates: *Version 1:* 1/56–12/68. *Version 2:* 3/54–12/55.

Objectives: To train airmen as aircraft landing control operators.

Instruction: Lectures and practical exercises in aircraft characteristics, weather theory, navigational aids and equipment, regulations, airport traffic control procedures, and specialization in and operation of radio set AN/MPN-1.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in airport control tower operation on the basis of institutional evaluation (12/68). *Version 2:* In the upper-division baccalaureate category, credit in airport control tower operation on the basis of institutional evaluation (12/68).

AF-1704-0007

Control Tower Technician
(Control Tower Operator)

Course Number: AA27271; AB27231.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 11–12 weeks (330 hours).

Exhibit Dates: 3/54–12/68.

Objectives: To train airmen to be control tower operators.

Instruction: Lectures and practical exercises in navigational aids, weather, regulations, air traffic control procedures, and air route traffic control and approach control.

Credit Recommendation: In the upper-division baccalaureate category, credit in airport control tower operation on the basis of institutional evaluation (12/68).

AF-1704-0008

1. Air Route Traffic Control and Approach Control Operator
2. Apprentice Air Traffic Control Operator

Course Number: AB27230.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 18 weeks (510 hours). *Version 2:* 13 weeks (390 hours).

Exhibit Dates: *Version 1:* 3/58–12/68. *Version 2:* 9/54–2/58.

Objectives: To train airmen as air traffic controllers.

Instruction: Lectures and practical exercises in weather, navigation aids and equipment, air traffic regulations, and airport and air traffic control operations.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in navigation or meteorology on the basis of institutional evaluation (12/68). *Version 2:* In the upper-division baccalaureate category, credit in navigation or meteorology on the basis of institutional evaluation (12/68).

AF-1704-0009

Aircraft Controllers

Course Number: 163110.

Location: Air Training Command, Tyndall AFB, FL.

Length: 8 weeks (12/73 hours).

Exhibit Dates: 6/54–12/68.

Objectives: To train officers to perform duties as aircraft controllers in air defense and tactical air operations.

Instruction: Lectures and practical exercises in organization and functions of the Air Defense and Tactical Air Commands, electronics and communications, tactics and operations, weapons, navigation, weather, and basic radar control training.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (2/74).

AF-1704-0010

Advanced Air Traffic Control Officer

Course Number: OAR1611.

Location: Technical Training Center, Keesler AFB, MS.

Length: 10 weeks (300 hours).

Exhibit Dates: 2/60–12/68.

Objectives: To train officers to plan and direct air traffic control activities.

Instruction: Lectures in duties and responsibilities of air traffic control staff officers; navigational aids; plans, programs, and budgets; and air traffic control planning exercises.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in air traffic control management (12/68).

AF-1704-0011

Air Traffic Control Operator (Non-Radar)

Course Number: ABR27230A.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 20–22 weeks (210 hours).

Exhibit Dates: 6/60–12/68.

Objectives: To train enlisted personnel in nonradar air traffic control.

Instruction: Lectures and practical exercises in aircraft recognition and performance, air navigational aids, weather, air route and airport traffic control, flight assistance service, communications procedures, conventional and radar approach control, and air traffic rules.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0012

Jet Engine Mechanic

Course Number: AL43133.

Location: 3320th Technical School, Amarillo AFB, TX.

Length: 5 weeks (150 hours).

Exhibit Dates: 7/54–12/68.

Objectives: To train personnel to maintain and repair aircraft jet engines and guided missiles.

Instruction: Practical experience in aircraft inspection, engine removal and installation, and maintenance of ground equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0013

Aircraft Maintenance Technician

Course Number: *Version 1:* 3AAR43171. *Version 2:* 3AAR43171. *Version 3:* AAR43171. *Version 4:* AA43171.

Location: *Version 1:* School of Applied Aerospace Sciences, Sheppard AFB, TX. *Version 2:* 3750th Technical School, Sheppard AFB, TX. *Version 3:* 3750th Technical School, Sheppard AFB, TX. *Version 4:* 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 12 weeks (348 hours). *Version 2:* 16 weeks (480 hours). *Version 3:* 16 weeks (480 hours). *Version 4:* 18 weeks (540 hours).

Exhibit Dates: *Version 1:* 5/72–12/73. *Version 2:* 5/68–4/72. *Version 3:* 8/66–4/68. *Version 4:* 10/54–7/66.

Objectives: To train airmen as aircraft maintenance technicians.

Instruction: Lectures and practical exercises in maintenance of jet and reciprocating-engine fixed-wing aircraft; standard publication systems; administration and management duties; aircraft records; weight and balance functions; and theory of operation, functional checks and troubleshooting of aircraft systems.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the upper-division baccalaureate category, credit in aircraft maintenance on the basis of institutional evaluation (3/74). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in shop management, and credit in electricity/electrical laboratory on the basis of institutional evaluation (12/68). *Version 4:* In the upper-division baccalaureate category, credit in electricity/electrical laboratory on the basis of institutional evaluation (12/68).

AF-1704-0014

1. AIRCRAFT PNEUDRAULIC REPAIR TECHNICIAN
2. AIRCRAFT PNEUDRAULIC REPAIR TECHNICIAN
3. AIRCRAFT AND MISSILE PNEUDRAULIC REPAIR TECHNICIAN
   (Aircraft and Missile Hydraulic Technician)
4. AIRCRAFT AND MISSILE HYDRAULIC TECHNICIAN
   (Aircraft Hydraulic Technician)

Course Number: *Version 1:* 3AAR42172. *All Versions:* AAR42172. *Version 4:* AA42172.

Location: *Version 1:* School of Applied Aerospace Science, Chanute AFB, IL. *All Versions:* 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 8 weeks (240 hours). *Version 2:* 10 weeks (300 hours). *Version 3:* 8 weeks (240 hours). *Version 4:* 10 weeks (300 hours).

Exhibit Dates: *Version 1:* 8/65–Present. *Version 2:* 8/62–7/65. *Version 3:* 5/60–7/62. *Version 4:* 3/56–4/60.

Objectives: To train airmen as aircraft pneudraulic repair technicians.

Instruction: Practical experience in installation, repair, overhaul, troubleshooting, modification, operation, inspection, trouble analysis, and adjustment of pneudraulic control systems and related test equipment.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 4:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0015

JET ENGINE BLOCK TEST AND VIBRATION ANALYZER

Course Number: AZR43250-4.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 6 weeks (180 hours).

Exhibit Dates: 2/65–12/68.

Objectives: To train enlisted personnel to block-test and vibration-test jet engines.

Instruction: Lectures and practical exercises in jet engine vibration analyzer operating principles, components, and indications interpretation, and jet engine block testing, inspection, operation, and test facilities procedures.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1704-0016

JEFM J79-15 ENGINE

Course Number: 3AZR43250-7; AZR43250-7.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 3 weeks (90 hours).

Exhibit Dates: 5/66–12/68.

Objectives: To provide maintenance personnel with training in J79-15 engine maintenance.

Instruction: Lectures and practical exercises in J79-15 engine familiarization, field and organizational maintenance, disassembly and assembly, cleaning, inspection, repair, ground safety procedures, and records and publications familiarization.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0017

B-52, C-135, AND KC-135 FUEL SYSTEM REPAIRMAN AND WET WING SEALING

Course Number: AZR42450.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 7 weeks (210 hours).

Exhibit Dates: 10/63–12/68.

Objectives: To train enlisted personnel in transport aircraft fuel systems maintenance.

Instruction: Lectures and practical exercises in transport aircraft fuel systems maintenance, including fuel system operating principles; quantity indicating systems, fuel-feed systems, single-point refueling systems, fuel cells, water injection system, and tank, vent, and drain system operation, installation, maintenance and repair.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0018

J-57 JET ENGINE (W/O AFTERBURNER) ORGANIZATIONAL MAINTENANCE

Course Number: SS43250-46.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 3 weeks (90 hours).

Exhibit Dates: 5/58–1/59.

Objectives: To train maintenance and instructor personnel in the operation and maintenance of the J-57 engine (without afterburner).

Instruction: Lectures and practical exercises in engine familiarization; operational checks; and inspection, removal, installation, and troubleshooting of the J-57 engine, engine systems, accessories, and equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0019

FUEL CELL REPAIRS (B-52 AND KC-135)

Course Number: ATS58250-3.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 3 weeks (90 hours).

Exhibit Dates: 8/58–12/68.

Objectives: To train enlisted personnel in the repair and maintenance of aircraft fuel cells, with emphasis on the B-52 and KC-135 aircraft.

Instruction: Lectures and practical exercises in construction, identification, inspection, and sealing of fuel cells, and repair procedures for fuel cells.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1704-0020

JET ENGINE VIBRATION ANALYZER OPERATOR (SPERRY)

Course Number: ATS43250-72.

Location: Technical Training Center, Chanute AFB, IL.

Length: 3 weeks (90 hours).

Exhibit Dates: 9/61–12/68.

Objectives: To train enlisted personnel in the operation of the Sperry jet engine analyzer.

Instruction: Lectures and practical exercises in the description, location, and installation of engine analyzer components; review of jet engine systems for meter indications and component frequencies; and minor troubleshooting.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0021

AIRCRAFT MECHANIC, RECIPROCATING, OVER TWO ENGINES

Course Number: ABR43131B; AB43131B-2; AB43131B-1; AB43131B-1.

Location: *Version 1:* 3750th Technical School, Sheppard AFB, TX. *Version 2:* 3345th Technical School, Chanute AFB, IL.

Length: 18 weeks (510 hours).

Exhibit Dates: 11/55–12/68.

Objectives: To train enlisted personnel to repair reciprocating-engine aircraft.

Instruction: Lectures and practical exercises in aircraft mechanics fundamentals, reciprocating-engine systems and operation; forms and records familiarization; inspection procedures; and aircraft structures, flight controls, electrical and hydraulic systems, instruments, and landing gear operation and maintenance.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0022

1. RECIPROCATING ENGINE MECHANIC
2. RECIPROCATING ENGINE MECHANIC
   (Aircraft Reciprocating Engine Mechanic)

Course Number: *Version 1:* 3ABR43231. *Version 2:* AB43231-1; AB43231-2. *All Versions:* ABR43231; AB43231.

Location: *All Versions:* 3750th Technical School, Sheppard AFB, TX. *Version 2:* 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 12-15 weeks (384-420 hours). *Version 2:* 16-17 weeks (450-480 hours).

Exhibit Dates: *Version 1:* 8/60-12/73. *Version 2:* 11/54-7/60.

Objectives: To train airmen to maintain and repair maintenance aircraft reciprocating engines.

Instruction: Lectures and practical exercises in aircraft fundamentals, elementary theory of flight, introduction to maintenance, basic engines, engine systems, power package maintenance, and engine maintenance and conditioning.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0023

JET AIRCRAFT MECHANIC

Course Number: ABR43131.

Location: 3320th Technical School, Amarillo AFB, TX.

Length: 12 weeks (342 hours).

Exhibit Dates: 2/67-12/68.

Objectives: To train airmen as apprentice jet aircraft mechanics.

Instruction: Lectures and practical exercises in the fundamentals of mechanics, including maintenance and inspection of airframe, landing gear, flight control, power plant, air conditioning and pressurization, electrical, hydraulic, fuel, utilities and instrument systems; ground safety; engine change; corrosion control; and maintenance forms and documentation.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0024

AIRFRAME TITANIUM REPAIR

Course Number: SS53450-2.

Location: 3320th Technical School, Amarillo AFB, TX.

Length: 3 weeks (90 hours).

Exhibit Dates: 3/58-12/68.

Objectives: To train airmen as airframe titanium repairmen.

Instruction: Lectures and practical exercises in the identification and inspection of titanium; preparation of titanium for repair and fabrication; forming titanium; assembly; and final inspection of repaired parts.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0025

1. BONDED HONEYCOMB AND STRUCTURAL SEALING (B-52/KC-135)
2. BONDED HONEYCOMB AND STRUCTURAL SEALING (B-52/KC-135)
   (Repair of Bonded and Brazed Honeycomb Structures (7-58))
   (Repair of Bonded Honeycomb Structures)

Course Number: *Version 1:* 3AZR53450-4; AZR53450-1. *Version 2:* ATS53450-10; ATS53450-7; ATS53450-5.

Location: *Version 1:* School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Amarillo AFB, TX. *All Versions:* 3320th Technical School, Amarillo AFB, TX.

Length: *Version 1:* 4 weeks (120 hours). *Version 2:* 3-4 weeks (90-120 hours).

Exhibit Dates: *Version 1:* 5/64-12/73. *Version 2:* 8/58-4/64.

Objectives: To train enlisted personnel to repair bonded honeycomb and other airframe structures.

Instruction: Lectures and practical exercises in aircraft construction fundamentals, corrosion control, structural sealing, control surface balancing, and potted-compound repairs; skin delamination, crack, and core repair; and repair of transition area, trailing edge, honeycomb panel, one skin or core, and both skins and core.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0026

JET ENGINE MECHANIC, T53-11A

Course Number: 3AZR43250-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 3 weeks (90 hours).

Exhibit Dates: 9/70-12/73.

Objectives: To train maintenance personnel to perform field maintenance on gas turbine T53-L-11A jet engines.

Instruction: Lectures and practical experience in gas turbine engine construction, operation, servicing, and repair fundamentals; gas turbine operation theory; and engine and engine systems functions, operation, inspection, and adjustment procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0027

1. FLIGHT ENGINEER SPECIALIST, JET AIRCRAFT
2. FLIGHT ENGINEER SPECIALIST
3. FLIGHT ENGINEER TECHNICIAN

Course Number: *Version 1:* 3ALR43550C. *Version 2:* ALR43550C. *Version 3:* ALR43570; ALR43174; AL43174.

Location: *All Versions:* 3750th Technical School, Sheppard AFB, TX. *Version 3:* 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 10 weeks (300 hours). *Version 2:* 12 weeks (360 hours). *Version 3:* 13-14 weeks (390-420 hours).

Exhibit Dates: *Version 1:* 1/70-12/73. *Version 2:* 3/67-12/69. *Version 3:* 3/58-2/67.

Objectives: To train enlisted personnel to perform as flight engineers.

Instruction: *All Versions:* Lectures and practical experience in jet aircraft flight engineering, including ground instruction in time, speed, distance, and fuel conversion factors and formulae, and graphic and linear interpolation; aerodynamics; weight and balance; takeoff and landing planning; aircraft climb, cruise, and descent performance analysis; log maintenance; maximum load mission requirements; and mission preplanning and in-flight replanning. *Version 1:* Instruction applicable to jet aircraft. *Version 2:* Instruction applicable to reciprocating and jet aircraft. *Version 3:* Instruction applicable to reciprocating aircraft.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in flight engineering (2/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in aerodynamics (12/68). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in aerodynamics (12/68).

AF-1704-0028

HELICOPTER MECHANIC (HH-53)

Course Number: 3AZR43170-6.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 6 weeks (180 hours).

Exhibit Dates: 8/71-12/73.

Objectives: To train enlisted personnel in the maintenance of multiengine single-rotor helicopters.

Instruction: Lectures and practical exercises in the fundamentals of multiengine single-rotor helicopter systems and components, including servicing, replacement, inspection, and adjustment of systems and components; inspection of engine; troubleshooting; engine change; and storage preparation.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0029

1. HELICOPTER MECHANIC HH-1H
2. HELICOPTER MECHANIC, UH-1H (VNAF I AND M)

Course Number: 3AZR43170-4.

Location: *Version 1:* 3750th Technical School, Sheppard AFB, TX. *Version 2:* 3730th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 6 weeks (138 hours). *Version 2:* 4 weeks (120 hours).

Exhibit Dates: *Version 1:* 2/73-12/73. *Version 2:* 8/69-1/73.

Objectives: To provide supplemental training in maintenance on helicopters.

Instruction: Lectures and practical exercises in identification, location, and function of helicopter systems and components; servicing, replacement, inspection, and adjustment of systems and components; inspection of engine, troubleshooting, engine change, and preparation for storage.

Credit Recommendation: *Version 1:* Low 1 semester hour in helicopter maintenance (2/74). *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0030

JET ENGINE BLOCK TEST AND VIBRATION ANALYZER

Course Number: 3AZR43250-4.

Location: School of Applied Aerospace Science, Chanute AFB, IL.; 3345th Technical School, Chanute AFB, IL.

Length: 5 weeks (138-176 hours).

Exhibit Dates: 5/72-12/73.

Objectives: To train jet engine mechanics to perform jet engine vibration analysis and to evaluate engine performance using portable and semiportable equipment.

Instruction: Lectures and practical exercises in the fundamentals of jet engine vibration analyzer construction, operating principles, procedures, and interpretation of analyzer indications; and inspection, operation, and use of portable and semiportable test equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0031

C-141 FLIGHT ENGINEER TECHNICIAN

Course Number: A435X0C-1.

Location: 443d Military Airlift Wing, Altus AFB, OK.

Length: 9 weeks (131 hours).

Exhibit Dates: 7/72-Present.

Objectives: To provide flight engineers with knowledge of the normal and emergency functions of the C-141 aircraft.
Instruction: Lectures and practical exercises on the C-141 aircraft, its systems and components, and troubleshooting procedures; flight simulator training; and flight training.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in flight engineer technician (2/74).

AF-1704-0032

JET ENGINE CONDITIONING AND VIBRATION ANALYZER (SPERRY)

Course Number: AZR43250-1.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 4 weeks (120 hours).
Exhibit Dates: 7/63-12/68.
Objectives: To train jet engine mechanics to use the Sperry vibration analyzer and to perform jet engine conditioning analysis.
Instruction: Lectures and practical exercises in the fundamentals of engine operation and maintenance; vibration analyzer operation and use; jet engine vibration and conditioning analysis; Jetcal operation, application, and analysis.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0033

C-5 FLIGHT ENGINEER TECHNICIAN
(Flight Engineer School, C-5)

Course Number: A43570C-4.
Location: 443d Military Airlift Wing, Altus AFB, OK.
Length: 9 weeks (130 hours).
Exhibit Dates: 2/73-Present.
Objectives: To provide enlisted personnel with a practical knowledge of the C-5 aircraft, its subsystems, and troubleshooting procedures.
Instruction: Lectures and practical exercises in troubleshooting and solution of performance problems; simulator training designed to enable students to perform preflight checks without assistance, to understand both normal and emergency procedures, and to manage subsystems with and without related component failures; flight training in which students demonstrate the ability to accomplish normal and emergency operation procedures, preflight checks, and scanner preflight checks, and to demonstrate ability to manage and/or operate pertinent aircraft subsystems.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in flight engineering (2/74).

AF-1704-0034

RECIPROCATING ENGINE MECHANIC (ENGINE ANALYZER)

Course Number: SS43251-1.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 4 weeks (120 hours).
Exhibit Dates: 4/58-12/68.
Objectives: To train enlisted personnel to operate Sperry engine analyzer equipment.
Instruction: Lectures and practical exercises in theory and operation of high- and low-tension magneto ignition systems; engine analyzer components description, location, and installation; various ignition and vibration pattern waveforms; reciprocating-engine theory; and analyzer troubleshooting.
Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1704-0035

AIRCRAFT ELECTRICAL REPAIRMAN (F-101B)

Course Number: SS42350-52.
Location: 3320 Technical Training Wing, Amarillo AFB, TX.
Length: 3 weeks (90 hours).
Exhibit Dates: 2/57-12/68.
Objectives: To train aircraft electrical repairmen and technicians to repair the F-101B aircraft.
Instruction: Instruction includes aircraft familiarization, location and function of electrical and related systems and components, inspection, and maintenance, including operational checks, servicing, troubleshooting, adjusting, and removal and installation.
Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1704-0036

1. AIRCRAFT MAINTENANCE SPECIALIST, JET AIRCRAFT ONE AND TWO ENGINES
2. AIRCRAFT MAINTENANCE SPECIALIST, JET AIRCRAFT ONE AND TWO ENGINES
   (Jet Aircraft Mechanic, One and Two Engines)
3. JET AIRCRAFT MECHANIC, ONE AND TWO ENGINES
4. JET AIRCRAFT MECHANIC, ONE AND TWO ENGINE
   (Aircraft Mechanic, Jet Fighter)
5. AIRCRAFT MECHANIC, JET FIGHTER
6. AIRCRAFT MECHANIC (JET BOMBER TWO ENGINES)
   (Aircraft Mechanic, Jet Fighter)
   (Aircraft Mechanic (Jet Bomber, Two Engines))
   (Aircraft Mechanic, Jet One Engine)
   (Aircraft Mechanic (Jet, Two Engines))
   (Aircraft Mechanic (Jet, One Engine))

Course Number: *Version 1:* 3ABR43131C-1. *Version 2:* 3ABR43131C-1; ABR43131C-1. *Version 3:* ABR43131C. *Version 4:* ABR43131C. *Version 5:* ABR43131C-1. *Version 6:* AB43131C-2; AB43131D; AB43131D-2; AB43131C; AB43131D-1.
Location: *Version 1:* School of Applied Aerospace Sciences, Sheppard AFB, TX. *Version 2:* 3750th Technical School, Sheppard AFB, TX. *Version 3:* 3320th Technical School, Amarillo AFB, TX. *Version 4:* 3320th Technical School, Amarillo AFB, TX. *Version 5:* 3320th Technical School, Amarillo AFB, TX. *Version 6:* 3750th Technical School, Sheppard AFB, TX; 3345th Technical School, Chanute AFB, IL; 3320th Technical School, Amarillo AFB, TX.
Length: *Version 1:* 9-12 weeks (314-410 hours). *Version 2:* 11-13 weeks (342-372 hours). *Version 3:* 16 weeks (450 hours). *Version 4:* 12-13 weeks (342-360 hours). *Version 5:* 14 weeks (390 hours). *Version 6:* 14-16 weeks (390-450 hours).
Exhibit Dates: *Version 1:* 6/73-12/73. *Version 2:* 12/66-5/73. *Version 3:* 8/65-11/66. *Version 4:* 10/60-7/65. *Version 5:* 8/58-9/60. *Version 6:* 8/54-7/58.
Objectives: To train enlisted personnel to perform as jet aircraft maintenance specialists.
Instruction: Lectures and practical experience in jet aircraft maintenance, including airframe, landing gear, flight control, power plant, electrical, hydraulic and pneumatic, fuel, oxygen, utilities, and instrument systems maintenance; aircraft corrosion control; inspection and maintenance sys tems; maintenance forms and publications; and operational checks, troubleshooting, and servi cing of aircraft systems.
Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 4:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 5:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 6:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0037

JET ENGINE ACCIDENT INVESTIGATION

Course Number: 3AZR43270-6.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 2 weeks (60 hours).
Exhibit Dates: 3/72-12/73.
Objectives: To train enlisted personnel in the procedures for inspecting engines involved in aircraft accidents.
Instruction: Lectures on the construction and design differences of jet engines; fuel and oil system contamination; identification and analysis of compression and turbine failures, and combustion and turbine overtemperature damage; identification and analysis of bearing failures; in-flight and post-impact fires; and analysis of jet engine accident cause factors.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0038

AIRCRAFT STRUCTURAL SEALING, B-52

Course Number: ATS53450-6.
Location: 3320th Technical School, Amarillo AFB, TX.
Length: 3 weeks (90 hours).
Exhibit Dates: 8/58-12/68.
Objectives: To train enlisted personnel in B-52 aircraft structural sealing procedures.
Instruction: Lectures and practical experience in B-52 aircraft structural sealing procedures, including aircraft structural analysis, seal plane determination and design seal application, sealing tools and equipment use, and sealed structures inspection and testing.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0039

AIRFRAME REPAIR, C-141

Course Number: *Version 1:* 3AZR53450-5. *Version 2:* AZR53450-2.
Location: *Version 1:* School of Applied Aerospace Science, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL. *Version 2:* 3320th Technical School, Amarillo AFB, TX.
Length: *Version 1:* 3 weeks (90-110 hours). *Version 2:* 3 weeks (90 hours).
Exhibit Dates: *Version 1:* 4/68-12/73. *Version 2:* 4/67-3/68.

Objectives: To provide airframe repair personnel with training in general maintenance and repair of heavy transport type turbojet aircraft.

Instruction: Lectures and practical exercises in honeycomb repair techniques and materials, flush and nonflush repair, fiberglass repair; scratch, crack and dent repair, honeycomb, skin, and core minor repair; corrosion control; and control surface balancing and structure sealing.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0040

Aircraft Propeller Technician

Course Number: AAR42171; AA42171.

Location: *Version 1:* 3750th Technical School, Sheppard AFB, TX. *Version 2:* 3750th Technical School, Sheppard AFB, TX. *Version 3:* 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 11 weeks (330 hours). *Version 2:* 9 weeks (270 hours). *Version 3:* 13 weeks (390 hours).

Exhibit Dates: *Version 1:* 8/62–12/68. *Version 2:* 6/60–7/62. *Version 3:* 5/58–5/60.

Objectives: To provide aircraft propeller repairmen with advanced training in aircraft propeller technology.

Instruction: Lectures and practical experience in operating principles, disassembly, inspection, repair, assembly, testing, adjustment, and trouble analysis of conventional and turboelectric propellers; problem analysis and corrective action; and supervisory, administrative, and management responsibilities and procedures.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0041

1. Aircraft Pneudraulic Repairman
2. Aircraft Pneudraulic Repairman
3. Aircraft Pneudraulic Repairman
   (Aircraft and Missile Pneudraulic Repairman)
   (Aircraft and Missile Hydraulic Repairman)
   (Aircraft and Hydraulic Repairman)
4. Aircraft Pneudraulic Repairman
   (Aircraft and Missile Pneudraulic Repairman)
   (Aircraft and Missile Hydraulic Repairman)
   (Aircraft and Hydraulic Repairman)
5. Aircraft Pneudraulic Repairman
   (Aircraft and Missile Pneudraulic Repairman)
   (Aircraft and Missile Hydraulic Repairman)
   (Aircraft and Hydraulic Repairman)
6. Aircraft Hydraulic Repairman

Course Number: *Version 1:* 3ABR42132; ABR42132. *Version 2:* ABR42132-1. *Version 3:* ABR42132-3; AB42132-3; AB42132-2. *Version 4:* AB42132-3; AB42132-3; AB42132-3. *Version 5:* ABR42132-1; ABR42132-3; AB42132-3; AB42132-2. *Version 6:* AB42132-2.

Location: *Version 1:* School of Applied Aerospace Science, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL. *Version 2:* 3345th Technical School, Chanute AFB, IL. *Version 3:* 3345th Technical School, Chanute AFB, IL. *Version 4:* 3320th Technical School, Amarillo AFB, TX. *Version 5:* 3750th Technical School, Sheppard AFB, TX. *Version 6:* 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 12–13 weeks (360 hours). *Version 2:* 15 weeks (420 hours). *Version 3:* 16 weeks (450 hours). *Version 4:* 16 weeks (450 hours). *Version 5:* 16 weeks (450 hours). *Version 6:* 17 weeks (510 hours).

Exhibit Dates: *Version 1:* 5/67–12/73. *Version 2:* 3/64–4/67. *Version 3:* 1/57–2/64. *Version 4:* 1/57–2/64. *Version 5:* 1/57–2/64. *Version 6:* 4/56–12/56.

Objectives: To train enlisted personnel to maintain and repair pneudraulic and hydraulic aircraft systems.

Instruction: Lectures and practical experience in operation, disassembly, inspection, repair, assembly, testing, and adjustment of hydraulic and/or pneumatic systems.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 4:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 5:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 6:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0042

Aircraft Mechanic, Reciprocating
(One and/or Two Engines)

Course Number: ABR43131A; AB43131A.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 16–18 weeks (480–510 hours).

Exhibit Dates: 11/54–12/68.

Objectives: To train airmen as apprentice aircraft mechanics.

Instruction: Practical experience in aircraft procedures, tools, systems, inspection procedures, and forms.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0043

1. Aircraft Maintenance Specialist, Reciprocating Engine Aircraft
   (Aircraft Mechanic, Reciprocating Engine Aircraft)
2. Aircraft Mechanic, Reciprocating Engine Aircraft
   (Aircraft Mechanic, Reciprocating Engine Types)

Course Number: *Version 1:* 3ABR43131A. *All Versions:* ABR43131A. *Version 2:* ABR43131A-1; ABR43131A; ABR43131B.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 15 weeks (420 hours). *Version 2:* 16 weeks (450 hours).

Exhibit Dates: *Version 1:* 3/64–12/73. *Version 2:* 6/60–2/64.

Objectives: To train enlisted personnel to become apprentice aircraft mechanics.

Instruction: Lectures and practical exercises in aircraft maintenance fundamentals, including location, inspection, servicing, and minor maintenance of aircraft and engine components and systems.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0044

Inflight Refueling Systems Repairman
(Inflight Refueling Specialist)

Course Number: 3ABR42431; ABR42431; ABR43133; AB43330.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 8–12 weeks (270–330 hours).

Exhibit Dates: 9/55–12/73.

Objectives: To train airmen in the operation and maintenance of boom-type refueling systems and controls.

Instruction: Lectures and practical exercises in operation, inspection, removal, disassembly, repair, assembly and installation of boom-type refueling systems; ground safety practices; electrical and hydraulic fundamentals; and use of ground support equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0045

Aircraft Fuel System Technician

Course Number: *Version 1:* 3AAR42470. *Version 2:* 3AAR42470; AAR42470. *Version 3:* AAR42470; AAR43175.

Location: *Version 1:* School of Applied Aerospace Science, Chanute AFB, IL. *Version 2:* 3345th Technical School, Chanute AFB, IL. *Version 3:* 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 7 weeks (268 hours). *Version 2:* 7–8 weeks (210–240 hours). *Version 3:* 9 weeks (270 hours).

Exhibit Dates: *Version 1:* 7/73–12/73. *Version 2:* 11/65–6/73. *Version 3:* 10/60–10/65.

Objectives: To train skilled aircraft maintenance personnel to perform as aircraft fuel system technicians.

Instruction: Lectures and practical exercises in operation, inspection, and trouble analysis of fuel systems and fuel system components; advanced sealing and seal plane analysis techniques; fuel systems and test equipment theory (advanced); fuel cell installation, removal, and storage; and maintenance supervision and safety procedures.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0046

Aircraft Propeller Repairman

Course Number: *Version 1:* 3ABR42131-1. *Version 2:* 3ABR42131; ABR42131. *Version 3:* 3ABR42131; ABR42131. *Version 4:* AB42131.

Location: *Version 1:* 3750th Technical School, Sheppard AFB, TX. *Version 2:* 3750th Technical School, Sheppard AFB, TX. *Version 3:* 3345th Technical School, Chanute AFB, IL. *Version 4:* 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 13 weeks (390 hours). *Version 2:* 17–18 weeks (480–510 hours). *Version 3:* 17–18 weeks (480–510 hours). *Version 4:* 19 weeks (540 hours).

Exhibit Dates: *Version 1:* 6/71-12/73. *Version 2:* 2/61-5/61. *Version 3:* 2/61-5/61. *Version 4:* 9/54-1/61.

Objectives: To train enlisted personnel to perform aircraft propeller maintenance and repair.

Instruction: Lectures and practical experience in aircraft propeller maintenance and repair, including operation, removal, disassembly, inspection, repair, assembly, testing, and installation of hydraulically operated propellers, controls, and accessories.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 4:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0047

Aircraft Fuel System Mechanic

Course Number: 3ABR42430; ABR42430; ABR43135; AB43135.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 10-13 weeks (300-360 hours).

Exhibit Dates: 4/58-12/73.

Objectives: To train enlisted personnel in aircraft fuel systems maintenance.

Instruction: Lectures and practical experience in aircraft inspection and maintenance system operation and use; and aircraft fuel system and system components operating principles, maintenance, and repair.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0048

Field and Organizational Maintenance of 34G60 Propeller

Course Number: SS42151-28.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 3 weeks (90 hours).

Exhibit Dates: 4/58-12/68.

Objectives: To train aircraft propeller repairmen in field and organizational maintenance of Hamilton Standard propeller 34G60.

Instruction: Practical experience in operation of propeller assemblies, double-acting propeller control systems, and propeller synchronizers.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1704-0049

Reciprocating Engine Technician

Course Number: *All Versions:* AAR43271. *Version 2:* AA43271.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 12 weeks (360 hours). *Version 2:* 14 weeks (420 hours).

Exhibit Dates: *Version 1:* 7/65-12/68. *Version 2:* 5/56-6/65.

Objectives: To train reciprocating-engine technicians as maintenance supervisors.

Instruction: *All Versions:* Lectures and practical exercises in personnel and equipment management, including operating principles and construction features of reciprocating engines; and application or principles in inspection, repair, adjustment and conditioning of engine systems. *Version 2:* Practical experience in troubleshooting, analysis, minor repair, and build-up of reciprocating engines.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the upper-division baccalaureate category, 2 semester hours in shop management or aviation maintenance management (12/68).

AF-1704-0050

Jet Engine Block Test Mechanic
(Aircraft Jet Engine Block Test Mechanic)

Course Number: AZR43250; SS43250-33.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 4 weeks (120 hours).

Exhibit Dates: 7/58-12/68.

Objectives: To train jet engine mechanics to conduct general block tests on jet engines.

Instruction: Practical experience in instrumentation, utilization, and inspection of Universal and Shaw Estes test facilities.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0051

J57-P-23 Jet Engine Field Maintenance (F-102)

Course Number: ATS43250-67.

Location: 3320th Technical School, Amarillo AFB, TX.

Length: 4 weeks (120 hours).

Exhibit Dates: 5/60-12/68.

Objectives: To train jet engine mechanics and technicians to perform maintenance on the J57-P-23 jet engine.

Instruction: Lectures and practical exercises in J57-P-23 jet engine mechanics and maintenance, including systems familiarization, assembly and disassembly, and repair, cleaning, testing, use, and storage of special tools and equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0052

J79-15 Engine Systems and Engine Run-Up

Course Number: 3AZR43250-8; AZR43250-8.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 3 weeks (90 hours).

Exhibit Dates: 6/66-12/68.

Objectives: To train airmen in the maintenance and operation of J79-15 jet engine systems.

Instruction: Lectures and practical exercises in safety, power controls, fuel systems, anti-icing systems, test stand familiarization, operating procedures and limits, and engine operation, troubleshooting, and evaluation.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0053

F-106 Aircraft Mechanic

Course Number: ATS43151C-16.

Location: Technical Training Center, Amarillo AFB, TX.

Length: 5 weeks (150 hours).

Exhibit Dates: 4/59-12/68.

Objectives: To train airmen to perform field and organizational maintenance on F-106A aircraft.

Instruction: Lectures and practical exercises in identification, location, and function of system components; troubleshooting; servicing; replacement of components; and minor repairs and adjustments.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0055

Aircraft Mechanic C-130A
(Aircraft Mechanic C-130)

Course Number: SS43151E-32.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 5 weeks (150 hours).

Exhibit Dates: 12/56-12/68.

Objectives: To familiarize airmen with the maintenance, design, construction and systems operation of specific aircraft.

Instruction: Lectures and practical exercises in the identification and location of system components; functional operating principles; inspection; operational checks; removal and replacement; servicing; and trouble analysis.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0056

Aircraft Mechanic, T-33A

Course Number: SS43151C-26.

Location: 3320th Technical School, Amarillo AFB, TX.

Length: 4 weeks (120 hours).

Exhibit Dates: 4/58-12/68.

Objectives: To provide enlisted personnel with an orientation in aircraft systems operation.

Instruction: Lectures and practical exercises in aircraft orientation, component and systems location, adjustment, inspection, servicing, and maintenance.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0057

Aircraft Engine Test Stand Calibration

Course Number: 2ASR32470-8.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 3 weeks (90 hours).

Exhibit Dates: 11/69-12/73.

Objectives: To train enlisted personnel in the operation of turbine engine test stands.

Instruction: Practical exercises in jet engine principles, major parts of axial flow engines, calibrator test stand, analysis of test stand data, calibration principles, and measurement.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0058

Aircraft Mechanic B-52G
(Aircraft Mechanic B-52)

Course Number: ATS43151E-9; SS43151E-9.

Location: Technical Training Center, Chanute AFB, IL.

Length: 8-9 weeks (240-270 hours).

Exhibit Dates: 7/58-12/68.

Objectives: To train key maintenance and instructor personnel to service and repair B-52G aircraft systems.

Instruction: Practical experience in airframe, engine, and aircraft servicing and maintenance.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0059

J-57 Engine, Organizational Maintenance (KC-135)

Course Number: SS43250-53.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 3 weeks (90 hours).

Exhibit Dates: 5/58–12/68.

Objectives: To train key maintenance and instructor personnel in the servicing of J-57 engines on K-135 aircraft.

Instruction: Practical experience in engine operational checks, and inspection, removal, installation, and troubleshooting of J-57 engine, engine systems, accessories, and associated equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0060

Aircraft Corrosion Control

Course Number: 3AZR53550-2.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 2 weeks (64 hours).

Exhibit Dates: 7/73–12/73.

Objectives: To train enlisted personnel to identify and control corrosion on aircraft and aerospace ground equipment.

Instruction: Practical experience and lectures in cause, type, and identification of corrosion; application of corrosion prevention techniques; and reconditioning of corroded areas.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0061

Aircraft Mechanic, F-101B

Course Number: ATS43151C-15; SS43151C-15.

Location: 3320th Technical School, Amarillo AFB, TX.

Length: 4 weeks (120 hours).

Exhibit Dates: 2/58–12/68.

Objectives: To train selected aircraft mechanics and technicians in the maintenance of F-101B aircraft.

Instruction: Practical application of aircraft maintenance, including location and function of systems and components, inspection and maintenance, operational checks, servicing, troubleshooting, and adjusting and removing parts.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0062

Aircraft Mechanic, F-101A

Course Number: SS43151D-8.

Location: 3320th Technical School, Amarillo AFB, TX.

Length: 4 weeks (120 hours).

Exhibit Dates: 4/58–12/68.

Objectives: To train selected aircraft mechanics and maintenance technicians in the maintenance of F-101A aircraft.

Instruction: Practical experience in location and function of systems and components, and in inspection and maintenance techniques, including operational checks, servicing and troubleshooting, adjusting, and removing and replacing.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0063

Aircraft Mechanic, F-100D

Course Number: SS43151C-10.

Location: 3320th Technical School, Amarillo AFB, TX.

Length: 4 weeks (120 hours).

Exhibit Dates: 4/58–12/68.

Objectives: To provide aircraft mechanics with transition training on the F-100D weapon system.

Instruction: Lectures and practical exercises in F-100D weapon system operation and maintenance, including system components functions, servicing, replacement, repairs, adjustments, and operational checks.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0064

Airplane and Engine Mechanic, Liaison Types

Course Number: DA30080.

Location: Flying Training Air Force, Gary AFB, TX.

Length: 13 weeks (390 hours).

Exhibit Dates: 5/54–12/68.

Objectives: To train enlisted personnel in the principles of operation, inspection, and maintenance of liaison aircraft.

Instruction: Lectures and practical exercises in liaison aircraft inspection methods, organizational maintenance techniques, repair of aircraft engines and related systems and equipment, and emergency field repair methods.

Credit Recommendation: In the upper-division baccalaureate category, credit in liaison aircraft and systems familiarization or power plant maintenance and repair on the basis of institutional evaluation (2/74).

AF-1704-0065

Aircraft Hydraulic Repairman, F-100D/F

Course Number: SS42152-15.

Location: 3320th Technical School, Amarillo AFB, TX.

Length: 3 weeks (90 hours).

Exhibit Dates: 1/58–12/68.

Objectives: To provide aircraft hydraulic repairmen with training in the F-100D/F utility hydraulic power system.

Instruction: Lectures and practical exercises in operating, servicing, and repairing the F-100 D/F utility hydraulic power system; identification, location, and function of all system components; and operating and repairing landing gear, wing flap, and flight control systems.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0066

Field and Organizational Maintenance, T56-A-1A Engine

Course Number: SS43250-28.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 4 weeks (120 hours).

Exhibit Dates: 4/58–12/68.

Objectives: To train jet engine mechanics to perform flight-line and shop maintenance on small turbine engines.

Instruction: Lectures and practical exercises in small-turbine maintenance; locating and identifying system components; and operation, inspection, removal, repair, replacement, adjustment, and maintenance of system components.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0067

1. Aircraft Maintenance Specialist (Jet, Over Two Engines)
2. Aircraft Maintenance Specialist (Jet, Over Two Engines)
   (Aircraft Mechanic (Jet, Over Two Engines))
   (Aircraft Mechanic (Jet Aircraft, Over Two Engines))
3. Aircraft Maintenance Specialist (Jet, Over Two Engines)
   (Aircraft Mechanic (Jet, Over Two Engines))
   (Aircraft Mechanic (Jet Aircraft, Over Two Engines))
4. Aircraft Maintenance Specialist (Jet, Over Two Engines)
   (Aircraft Mechanic (Jet, Over Two Engines))
   (Aircraft Mechanic (Jet Aircraft, Over Two Engines))
5. Aircraft Mechanic (Jet, Over Two Engines)
   (Aircraft Mechanic (Jet Aircraft, Over Two Engines))
6. Aircraft Mechanic (Jet, Over Two Engines)
   (Aircraft Mechanic (Jet Aircraft, Over Two Engines))
7. Aircraft Mechanic (Jet, Over Two Engines)
   (Aircraft Mechanic (Jet Aircraft, Over Two Engines))
8. Aircraft Mechanic (Jet, Over Two Engines)
9. Aircraft Mechanic, Jet Aircraft, Over Two Engines
   (Aircraft Mechanic, Jet, Over Two Engines)
   (Aircraft Mechanic (Jet Bomber, Over Two Engines))
10. Aircraft Mechanic, Jet Aircraft, Over Two Engines
   (Aircraft Mechanic, Jet, Over Two Engines)
   (Aircraft Mechanic (Jet Bomber, Over Two Engines))
11. Aircraft Mechanic, Jet Bomber, Over Two Engines
12. Aircraft Mechanic, Jet Bomber, Over Two Engines
13. Aircraft Mechanic, Jet, Over Two Engines
14. Aircraft Mechanic, Jet, Over Two Engines

Course Number: *Version 1:* 3ABR43131E. *Version 2:* 3ABR43131E; ABR43131E; ABR43131E-1; ABR43131E-2; ABR43131E-3. *Version 3:* 3ABR43131E; ABR43131E; ABR43131E-1; ABR43131E-2; ABR43131E-3. *Version 4:* 3ABR43131E; ABR43131E; ABR43131E-1; ABR43131E-2; ABR43131E-3. *Version 5:* ABR43131E-2; ABR43131E-3; ABR43131E-1. *Version 6:* ABR43131E-2; ABR43131E-3;

ABR43131E-1. *Version 7:* ABR43131E-2; ABR43131E-3; ABR43131E-1. *Version 8:* ABR43131E-1. *Version 9:* ABR43131E-3; ABR43131E-1; AB43131E-3. *Version 1:* ABR43131E-3; ABR43131E-1; AB43131E-3. *Version 11:* AB43131E-2; AB43131E-1. *Version 12:* AB43131E-2; AB43131E-1. *Version 13:* AB43131E-1; AB43131E-3. *Version 14:* AB43131E-1; AB43131E-3.

Location: *Version 1:* School of Applied Aerospace Sciences, Chanute AFB, IL. *Version 2:* 3345th Technical School, Chanute AFB, IL. *Version 3:* 3750th Technical School, Sheppard AFB, TX. *Version 4:* 3320th Technical School, Amarillo AFB, TX. *Version 5:* 3345th Technical School, Chanute AFB, IL. *Version 6:* 3750th Technical School, Sheppard AFB, TX. *Version 7:* 3320th Technical School, Amarillo AFB, TX. *Version 8:* 3320th Technical School, Amarillo AFB, TX. *Version 9:* 3750th Technical School, Sheppard AFB, TX. *Version 10:* 3320th Technical School, Amarillo AFB, TX. *Version 11:* 3345th Technical School, Chanute AFB, IL. *Version 12:* 3320th Technical School, Amarillo AFB, TX. *Version 13:* 3320th Technical School, Amarillo AFB, TX. *Version 14:* 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 12 weeks (436 hours). *Version 2:* 12-13 weeks (360 hours). *Version 3:* 12-13 weeks (360 hours). *Version 4:* 12-13 weeks (360 hours). *Version 5:* 15 weeks (420 hours). *Version 6:* 15 weeks (420 hours). *Version 7:* 15 weeks (420 hours). *Version 8:* 13 weeks (360 hours). *Version 9:* 15-16 weeks (420-450 hours). *Version 10:* 15-16 weeks (420-450 hours). *Version 11:* 16-17 weeks (450-480 hours). *Version 12:* 16-17 weeks (450-480 hours). *Version 13:* 14-15 weeks (420 hours). *Version 14:* 14-15 weeks (420 hours).

Exhibit Dates: *Version 1:* 6/73-12/73. *Version 2:* 3/64-5/73. *Version 3:* 3/64-5/73. *Version 4:* 3/64-5/73. *Version 5:* 7/61-2/64. *Version 6:* 7/61-2/64. *Version 7:* 7/61-2/64. *Version 8:* 3/61-6/61. *Version 9:* 6/58-2/61. *Version 10:* 6/58-2/61. *Version 11:* 6/58-2/61. *Version 12:* 6/58-2/61. *Version 13:* 8/54-1/61. *Version 14:* 8/54-1/61.

Objectives: To train enlisted personnel in the systems, ground handling, operation, corrosion control, and inspection of multiengine jet aircraft.

Instruction: Lectures and practical experience in ground safety materials, tools and equipment, power plants, electrical systems, lighting, warning systems, pneumatic systems, flight control, corrosion, and fuel systems.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 4:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 5:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 6:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 7:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 8:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 9:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 10:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 11:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 12:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 13:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 14:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0068

JET ENGINE MECHANIC (GAM-77)

Course Number: ATS43250-65.

Location: Technical Training Center, Chanute AFB, IL.

Length: 4 weeks (120 hours).

Exhibit Dates: 6/60-12/68.

Objectives: To train enlisted personnel in the operation, maintenance, and repair of the GAM-77 turbine engine.

Instruction: Lectures and practical exercises in GAM-77 turbine engine operation, maintenance, and repair, including theory, design, characteristics, and constructional features of missile engines and subsystems; special tools and equipment usage; field maintenance disassembly, repair, and reassembly procedures; and engine inspection, servicing, and trouble analysis.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0069

JET ENGINE TECHNICIAN, T64-7

Course Number: 3AZR43270-3.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 4 weeks (108 hours).

Exhibit Dates: 6/71-12/73.

Objectives: To provide maintenance personnel with the knowledge and skills necessary to perform maintenance operations on small centrifugal-flow turbine engines.

Instruction: Lectures on gas-turbine engine operation theory, and fuel, lubrication, ignition, and electrical systems operation; and practical exercises in installation, removal, disassembly, reassembly, inspection, operation, and trouble analysis of gas-turbine engines.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0070

MASTER CREW CHIEF

Course Number: None.

Location: 443d Military Airlift Wing, Altus AFB, OK.

Length: 2 weeks (68 hours).

Exhibit Dates: 2/73-Present.

Objectives: To provide enlisted personnel with a basic understanding of maintenance management.

Instruction: Lectures and practical experience in systems management and the fundamentals of organization, maintenance data collection, supply procedures, and standards and inspection.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in aviation maintenance management (2/74).

AF-1704-0071

RECIPROCATING ENGINE CONDITIONING WITH ANALYZERS (R2800 AND SMALLER)

(Reciprocating Engine Conditioning With Analyzers (R3350))

(Reciprocating Engine Conditioning With Analyzers (R4360))

(Aircraft Reciprocating Engine Conditioning)

Course Number: AZR43271-3; AZR43271-2; AZR43271-1; AZR43271-11.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 5 weeks (150 hours).

Exhibit Dates: 5/59-12/68.

Objectives: To train enlisted personnel in the concepts, functions, and procedures involved in the conditioning of aircraft reciprocating engines.

Instruction: Lectures and practical experience in operating principles of reciprocating engines and systems; ignition and engine analysis; and engine operation, testing, and adjustment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0072

JET ENGINE MECHANIC (J-85 ENGINE REPAIR, BUILD-UP, AND INSTALLATION), GAM-72

Course Number: AZR43230-3.

Location: 3320th Technical School, Amarillo AFB, TX.

Length: 5 weeks (150 hours).

Exhibit Dates: 8/60-12/68.

Objectives: To train enlisted personnel in jet engine maintenance, repair, operation, and testing.

Instruction: Practical experience in engine disassembly, inspection, reassembly, and testing and installation.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0073

TF-33 TURBOFAN ENGINE MAINTENANCE

(B-52H Turbofan Engine Field and Organizational Maintenance)

Course Number: AZR43250-2; ATS43250-66.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 6-7 weeks (180-198 hours).

Exhibit Dates: 12/60-12/68.

Objectives: To train maintenance personnel to perform field and organizational maintenance on the B-52H turbofan engine.

Instruction: Lectures and practical exercises in B-52H turbofan engine maintenance, including engine installation, operation, and repair; engine construction components, systems, and accessories; safety procedures; special tools and equipment usage; and B-52H turbofan engine run-up procedures and analysis.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0074

JET ENGINE TECHNICIAN, (REPAIR, BUILD-UP, AND INSTALLATION) GAM-72

Course Number: ATS43270-48.

Location: 3320th Technical School, Amarillo AFB, TX.

Length: 5 weeks (150 hours).

Exhibit Dates: 8/60-12/68.

Objectives: To train enlisted personnel to perform as GAM-72 missile jet engine technicians.

Instruction: Lectures and practical exercises in GAM-72 missile jet engine repair and installation, including basic engine characteristics; missile systems operation; and engine installation, removal, disassembly, inspection, reassembly, and testing.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0075

JET ENGINE MECHANIC, J57 ENGINE MINOR OVERHAUL AND TESTING

Course Number: ATS43250-64; ATS43250-57; SS43250-57.

Location: 3320th Technical School, Amarillo AFB, TX.

Length: 4-5 weeks (120-150 hours).

Exhibit Dates: 3/58-12/68.

Objectives: To train jet engine mechanics to perform minor overhaul and testing on J57 jet engines.

Instruction: Lectures and practical exercises in J57 jet engine overhaul and testing, including test data analysis, testing tools and equipment usage, safety systems operation, and engine assembly, disassembly, inspection, cleaning, repair, and storage.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0076

JET ENGINE MECHANIC (UH-1N)

Course Number: 3AZR43270-4.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 3 weeks (90 hours).

Exhibit Dates: 6/71-12/73.

Objectives: To train maintenance personnel to perform field maintenance on the T400 gas turbine engine.

Instruction: Lectures and practical experience in T400 field maintenance, including gas turbine engine operation theory, engine accesssories removal and replacement, and function, operation, location, identification, inspection, and adjustment of the T400 engine.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0077

RAMJET ENGINE MECHANIC, RJ-43, IM-99B

Course Number: ATS-43250-68.

Location: Technical Training Center, Chanute AFB, IL.

Length: 5 weeks (150 hours).

Exhibit Dates: 4/61-12/68.

Objectives: To train enlisted personnel in ramjet engine operation and maintenance.

Instruction: Lectures in ramjet engine operation and maintenance, including engine installation, removal, disassembly and assembly procedures; IM-99B weapon system operation; and safety precautions, performance of tests, analysis and recording test results.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0078

JET ENGINE TECHNICIAN

Course Number: *Version 1:* 3AAR43270-1. *Version 2:* 3AAR43270-1. *Version 3:* AAR43270-1; AAR43270. *Version 4:* AAR43270. *Version 5:* AAR43270; AA43270.

Location: *Version 1:* School of Applied Aerospace Science, Chanute AFB, IL. *Version 2:* 3345th Technical School, Chanute AFB, IL. *Version 3:* 3345th Technical School, Chanute AFB, IL. *Version 4:* 3750th Technical School, Sheppard AFB, TX. *Version 5:* 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 8 weeks (317 hours). *Version 2:* 10 weeks (300 hours). *Version 3:* 12-14 weeks (360-420 hours). *Version 4:* 16 weeks (480 hours). *Version 5:* 14 weeks (420 hours).

Exhibit Dates: *Version 1:* 7/73-Present. *Version 2:* 5/66-6/73. *Version 3:* 10/63-4/66. *Version 4:* 4/60-9/63. *Version 5:* 5/56-3/60.

Objectives: To train enlisted personnel to maintain and repair jet turbines.

Instruction: Lectures and practical experience in turbine jet engine maintenance and repair, including maintenance principles, inspection procedures and trouble analysis, minor repair procedures, support equipment operation and maintenance, and test facility operation and usage.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the upper-division baccalaureate category, 2 semester hours in shop management (12/68). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in shop management (12/68). *Version 4:* In the upper-division baccalaureate category, 2 semester hours in shop management (12/68). *Version 5:* In the upper-division baccalaureate category, 2 semester hours in shop management (12/68).

AF-1704-0079

1. HELICOPTER MECHANIC
2. HELICOPTER MECHANIC
3. HELICOPTER MECHANIC, ROTARY WING
4. AIRCRAFT MECHANIC, ROTARY WING

Course Number: *Version 1:* 3ABR43130; ABR43130. *Version 2:* ABR43130. *Version 3:* AB43130. *Version 4:* AB43150.

Location: *Version 1:* 3750th Technical School, Sheppard AFB, TX. *Version 2:* 3750th Technical School, Sheppard AFB, TX. *Version 3:* 3750th Technical School, Sheppard AFB, TX. *Version 4:* 3585th Pilot Training Wing, Gary AFB, TX.

Length: *Version 1:* 13-16 weeks (384-450 hours). *Version 2:* 16 weeks (540 hours). *Version 3:* 16 weeks (450 hours). *Version 4:* 19 weeks (570 hours).

Exhibit Dates: *Version 1:* 7/60-12/73. *Version 2:* 8/59-6/60. *Version 3:* 3/57-7/59. *Version 4:* 3/54-2/57.

Objectives: To train enlisted personnel to perform as helicopter mechanics.

Instruction: Lectures and practical experience in helicopter maintenance and repair, including function, identification, location, inspection, operational checking, servicing, and minor maintenance of aircraft and engine components and systems; ground support equipment usage; and technical orders and forms procedures.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 4:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0080

AIRCRAFT MAINTENANCE SPECIALIST TURBO-PROP AIRCRAFT

(Aircraft Mechanic, Turbo-Prop Aircraft)

(Aircraft Mechanic, Turbo-Prop Aircraft (C-130 and C-133))

Course Number: 3ABR43131F; ABR43131F.

Location: School of Applied Aerospace Sciences, Sheppard AFB, TX; 3750th Technical School, Sheppard AFB, TX.

Length: 11-13 weeks (356-360 hours).

Exhibit Dates: 5/65-12/73.

Objectives: To train enlisted personnel to inspect and maintain turbo-prop aircraft.

Instruction: Lectures and practical exercises in the maintenance of airframe, electrical, hydraulic, utility, landing gear, flight control, fuel and engine systems; aircraft corrosion control; technical orders; and maintenance forms and documentation.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0081

JET ENGINE MECHANIC, TF-39

Course Number: 3AZR43250-6.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 7 weeks (210 hours).

Exhibit Dates: 7/70-12/73.

Objectives: To provide jet engine mechanics with supplemental training in the maintenance of TF-39 engines.

Instruction: Lectures and practical exercises in the theory of turbofan engine operation; location, identification, function, operation, and adjustment of units in the engine systems; and disassembly, inspection, and assembly of TF-39 engines.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0082

1. JET ENGINE MECHANIC
2. JET ENGINE MECHANIC
3. JET ENGINE MECHANIC
4. JET ENGINE MECHANIC
5. JET ENGINE MECHANIC
6. JET ENGINE MECHANIC
   (Aircraft Jet Engine Mechanic)
7. JET ENGINE MECHANIC
   (Aircraft Jet Engine Mechanic)

Course Number: *Version 1:* 3ABR43230. *Version 2:* 3ABR43230; ABR43230; ABR43230-1; ABR43230-2; ABR43230-3. *Version 3:* 3ABR43230; ABR43230; ABR43230-1; ABR43230-2; ABR43230-3. *Version 4:* ABR43230-1; ABR43230-2; ABR43230-3. *Version 5:* ABR43230-1; ABR43230-2; ABR43230-3. *Version 6:* ABR43230-2; AB43230-1; AB43230-2; AB43230-3. *Version 7:* ABR43230-2; AB43230-1; AB43230-2; AB43230-3.

Location: *All Versions:* School of Applied Aerospace Science, Chanute AFB, IL. *Version 1:* 3345th Technical School, Chanute AFB, IL. *Version 2:* 3750th Technical School, Sheppard AFB, TX. *Version 3:* 3320th Technical School, Amarillo AFB, TX. *Version 4:* 3750th Technical School, Sheppard AFB, TX. *Version 5:* 3320th Technical School, Amarillo AFB, TX. *Version 6:* 3750th Technical School, Sheppard

AFB, TX. *Version 7:* 3320th Technical School, Amarillo AFB, TX.

Length: *Version 1:* 10 weeks (366 hours). *Version 2:* 11-12 weeks (300-330 hours). *Version 3:* 11-12 weeks (300-330 hours). *Version 4:* 13 weeks (360 hours). *Version 5:* 13 weeks (360 hours). *Version 6:* 15 weeks (420-450 hours). *Version 7:* 15 weeks (420-450 hours).

Exhibit Dates: *Version 1:* 7/73-12/73. *Version 2:* 3/64-6/73. *Version 3:* 3/64-6/73. *Version 4:* 2/60-2/64. *Version 5:* 2/60-2/64. *Version 6:* 10/54-1/60. *Version 7:* 10/54-1/60.

Objectives: To train airmen to remove, disassemble, adjust, repair, and replace major jet engine units and systems.

Instruction: *All Versions:* Lectures and practical exercises in jet engine fundamentals; engine preservation and storage procedures; engine systems operation and inspection; general engine maintenance; and engine inspection, installation, disassembly, adjustment, and repair procedures. *Version 1:* Instruction includes driver training, and inspection and maintenance system introduction. *Version 2:* Instruction includes maintenance management. *Version 3:* Instruction includes maintenance management. *Version 4:* Instruction emphasis is on inspection procedures. *Version 5:* Instruction emphasis is on inspection procedures.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 4:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 5:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 6:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 7:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0083

Aircraft Maintenance Indoctrination (SAC)

Course Number: OZR4341-2.

Location: Technical Training Center, Chanute AFB, IL.

Length: 6 weeks (138 hours).

Exhibit Dates: 10/60-12/68.

Objectives: To train enlisted personnel in aircraft electronics maintenance.

Instruction: Lectures and practical exercises in line maintenance organization, publications, control, data collection systems, precision measuring equipment, records analysis, quality control, accident investigation, safety, and problem solving.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in shop management (12/68).

AF-1704-0084

Aircraft Mechanic, B-52H

Course Number: ATS43151E-33.

Location: Technical Training Center, Chanute AFB, IL.

Length: 8 weeks (240 hours).

Exhibit Dates: 1/61-12/68.

Objectives: To train key maintenance and instructor personnel in the maintenance of B-52H aircraft.

Instruction: Lectures and practical experience in B-52H aircraft systems familiarization, operation, inspection, maintenance, and repair.

Credit Recommendation: In the upper-division baccalaureate category, credit in aircraft maintenance on the basis of institutional evaluation (12/68).

AF-1704-0085

J-79 Engine, Organizational Maintenance and Control System, F-104

Course Number: ATS43270-3.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 6 weeks (180 hours).

Exhibit Dates: 8/58-12/68.

Objectives: To train jet engine technicians to maintain J-79 engines and engine control systems.

Instruction: Lectures and practical exercises in familiarization, components, safety precautions, engine operations and adjustments, inspection, installation, fuel control, control system rigging, trimming, and troubleshooting the J-79 jet engine system.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0086

Aircraft Mechanic, F-104

Course Number: SS43151C-12.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 6 weeks (180 hours).

Exhibit Dates: 6/58-12/68.

Objectives: To train enlisted personnel to maintain and inspect F-104 aircraft.

Instruction: Lectures and practical exercises in inspection, maintenance, troubleshooting, and repair of F-104 aircraft structure, aircraft and power plant systems, accessories, and associated equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0087

J-79 Engine, F & O Maintenance and Control System (F-104)

Course Number: ATS43270-2.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 8 weeks (240 hours).

Exhibit Dates: 8/58-12/68.

Objectives: To train jet engine technicians to maintain J-79 jet engines and engine control systems.

Instruction: Lectures and practical exercises in identification and location of components, engine operating principles, inspection, maintenance, engine removal and installation, engine teardown and buildup, and troubleshooting of the J-79 engine, accessories, control system, and related equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0088

Aircraft Maintenance Technician, Reciprocating Engine Aircraft

Course Number: AAR43171A; AAR43171B; AA43171B.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 14-16 weeks (420-480 hours).

Exhibit Dates: 11/55-12/68.

Objectives: To train aircraft mechanics to plan and schedule maintenance work.

Instruction: Lectures and laboratories in maintenance, aircraft electrical systems, aircraft hydraulic systems, aircraft records, maintenance management, and personnel utilization.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in shop management (12/68), and credit in electricity and electrical laboratory on the basis of institutional evaluation (3/74).

AF-1704-0089

J-79 Engine Field and Organizational Maintenance (F-104)

Course Number: SS43250-39.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 5 weeks (150 hours).

Exhibit Dates: 5/58-12/68.

Objectives: To train jet engine technicians to maintain J-79 jet engines.

Instruction: Lectures and practical exercises in identification and location of components, engine operating principles, inspection, maintenance, engine removal and installation, engine teardown and build-up, and troubleshooting of the J-79 engine.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0090

J-79 Engine, Organizational Maintenance (F-104)

Course Number: SS43270-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 3 weeks (90 hours).

Exhibit Dates: 5/58-12/68.

Objectives: To train jet engine technicians to maintain, troubleshoot, and inspect J-79 jet engines, engine systems, accessories and associated equipment.

Instruction: Lectures and practical exercises in engine familiarization; sound and ejection system hazards and safety precautions; removal, inspection, and installation of main and emergency fuel, nozzle control, and afterburner fuel systems and units; inspection and maintenance of lube and electrical systems; rigging, piping, and draining application; and engine operation, troubleshooting, and adjustments.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0091

Structural Repair of High Performance Aircraft

Course Number: *Version 1:* 3AZR53450-3. *Version 2:* AZR53450. *Version 3:* AZR53450; SS53450-3.

Location: *Version 1:* School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL. *Version 2:* 3320th Technical School, Amarillo AFB, TX. *Version 3:* 3320th Technical School, Amarillo AFB, TX.

Length: *Version 1:* 5 weeks (150-186 hours). *Version 2:* 5 weeks (150 hours). *Version 3:* 6 weeks (180 hours).

Exhibit Dates: *Version 1:* 2/68-12/73. *Version 2:* 4/63-1/68. *Version 3:* 1/58-3/63.

Objectives: To train enlisted personnel to repair high-performance aircraft airframes.

Instruction: Lectures and practical exercises in aircraft repair, including safety precautions, aircraft construction features, balancing control surfaces, use of optical equipment, corrosion control, installation and removal of special fasteners, repair of bonded metal honeycomb and radome assemblies, and sealing requirements.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0092

Jet Engine Technician J-57 O/I (F-100)
Course Number: 2ASR43270-5.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 5 weeks (150 hours).
Exhibit Dates: 9/70–12/73.
Objectives: To provide supplemental training for Air Force maintenance personnel in intermediate and organizational maintenance on J-57 engines.
Instruction: Lectures and practical experience in removal, inspection, maintenance, repair and installation of J-57 engines and F-100 related systems.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0093

Helicopter Mechanic, UH-1F
Course Number: *Version 1:* 3AZR43170-2. *Version 2:* AZR43170-2.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: *Version 1:* 4 weeks (120 hours). *Version 2:* 4 weeks (120 hours).
Exhibit Dates: *Version 1:* 1/69–12/73. *Version 2:* 10/65–12/68.
Objectives: To provide enlisted personnel with supplemental training in the maintenance of UH-1F helicopters and T-58 engines.
Instruction: Practical exercises in identification, location, function, servicing, replacement, inspection and adjustment of helicopter systems and components, and replacement, troubleshooting, engine change and prepration of engines for storage.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0095

Helicopter Mechanic (UH-1N)
Course Number: 3AZR43170-7.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 4 weeks (120 hours).
Exhibit Dates: 6/71–12/73.
Objectives: To train maintenance personnel to maintain and repair UH-1N helicopters and T-400 engines.
Instruction: Practical experience in identification, location, function, servicing, replacement, inspection, and adjustment of helicopter systems, and troubleshooting, engine change, and preparation of engines for storage.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0096

Helicopter Mechanic, HH-43B
Course Number: 3AZR43170-1; AZR43170-1.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 6 weeks (180 hours).
Exhibit Dates: 11/65–12/73.
Objectives: To provide highly qualified maintenance personnel with supplemental training in the field and organizational maintenance of HH-43B helicopters, including limited field maintenance on T-53 engines.
Instruction: Lectures and practical experience in engine familiarization and maintenance; helicopter and aircraft systems; operational theory of gas turbine engines; safety practices; engine removal, storage, and installation; and control rigging.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0097

Jet Engine Familiarization
Course Number: SS43250-34.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 3 weeks (90 hours).
Exhibit Dates: 5/58–12/68.
Objectives: To train enlisted personnel in jet engine system maintenance.
Instruction: Lectures and practical exercises in principles of operation, construction features, maintenance, inspection, operation and troubleshooting of jet engine systems.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0098

Aircraft Hydraulic Repairman B-52G (Aircraft Hydraulic Repairman B-52)
Course Number: ATS42152-5.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 4 weeks (120 hours).
Exhibit Dates: 8/58–12/68.
Objectives: To train hydraulic repairmen to carry out maintenance responsibilities on the B-52G aircraft.
Instruction: Lectures and practical exercises in identification and location of system components, understanding their operating principles; and operation, service, inspection, maintenance, and troubleshooting of B-52G hydraulic systems.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0099

Aircraft Electrical Repairman, C-130A
Course Number: SS42350-47.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 3 weeks (90 hours).
Exhibit Dates: 3/58–12/68.
Objectives: To train airmen to perform field and organizational maintenance on aircraft electrical systems and components.
Instruction: Lectures and practical exercises in electrical systems and circuits, including identification and location of electrical systems and components, and inspection, testing, removal, servicing, and troubleshooting.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0100

Aircraft Hydraulic Repairman, C-130A
Course Number: SS42152-21.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 3 weeks (90 hours).
Exhibit Dates: 3/58–12/68.
Objectives: To train airmen to perform organizational maintenance on aircraft hydraulic systems and components.
Instruction: Lectures and practical exercises in C-130A aircraft hydraulic systems and components, including inspection, testing, removal, replacement, servicing, and trouble analysis.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0101

Mechanical Accessories and Equipment Repairman, C-130A
Course Number: SS42251-15.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 3 weeks (90 hours).
Exhibit Dates: 3/58–12/68.
Objectives: To train airmen to repair aircraft mechanical accessories.
Instruction: Lectures and practical exercises in C-130 aircraft air conditioning and pressurization systems, including identification and location of system components and inspection, testing, removal, servicing, and troubleshooting.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0103

Field and Organizational Maintenance A6341FN-D1 Propeller
Course Number: SS42151-27.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 4 weeks (120 hours).
Exhibit Dates: 3/58–12/68.
Objectives: To train selected enlisted personnel in field inspection and maintenance of the A6341FN-D1 propeller.
Instruction: Lectures and practical exercises in theory of propeller systems operation, trouble analysis and unit adjustment, and propeller removal, installation, inspection, and maintenance.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0104

Aircraft Electrical Repairman, F-101A
Course Number: SS42350-45.
Location: 3320th Technical School, Amarillo AFB, TX.
Length: 3 weeks (90 hours).
Exhibit Dates: 3/58–12/68.
Objectives: To train experienced aircraft electrical repairmen and technicians in the specific systems of the F-101A aircraft.
Instruction: Lectures and practical exercises in the maintenance of the F-101A aircraft, including aircraft familiarization, location and function of electrical and related systems and components, and inspection, maintenance, operational checks, servicing, troubleshooting, adjusting, removal, and installation.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0105

Missile Engine Mechanic/Technician (SM-65F)
(Missile Engine Mechanic/Technician (SM-65))

Course Number: ATS44371A-1; ATS43351-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 12-14 weeks (360-420 hours).

Exhibit Dates: 1/60-12/68.

Objectives: To train airmen to operate, maintain, and repair the SM-65 propulsion system, subsystems, and components.

Instruction: Lectures and practical exercises in the operation, maintenance, and repair of the SM-65 propulsion system, subsystems, and components, including weapons systems introduction, booster engine and sustainer and vernier engine system components, engine electrical system, pneumatic and hydraulic components and testing, propellant systems, ground handling equipment, rocket engines, mating and demating procedures, and installation procedures.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (3/74).

AF-1704-0106

Air Traffic Control Operator (Radar)

Course Number: ABR27230B.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 22-23 weeks (570-600 hours).

Exhibit Dates: 9/60-12/68.

Objectives: To train enlisted personnel to be air traffic control radar operators.

Instruction: Lectures and practical exercises in air traffic control operations, including aircraft performance, navigational aids, weather, traffic control procedures and rules, communications, GCA equipment operation and check procedures, and operating experience.

Credit Recommendation: In the upper-division baccalaureate category, credit in navigation or meteorology on the basis of institutional evaluation (12/68).

AF-1704-0107

Air Traffic Control Operator (Radar) (Army)

Course Number: ABR27230B-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 18 weeks (540 hours).

Exhibit Dates: 5/63-12/68.

Objectives: To train enlisted personnel as air traffic control radar operators.

Instruction: Lectures and practical exercises in principles of air traffic control, weather, air navigation aids, communications, and tower operation.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1704-0108

Missile Systems Analyst Specialist (TM-76A)

Course Number: ALR31450F.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 12 weeks (360 hours).

Exhibit Dates: 6/61-12/68.

Objectives: To provide enlisted personnel with missile launch crew orientation as a prerequisite for launch crew supervision and ground missile and nuclear safety.

Instruction: Lectures and practical exercises in flight fundamentals; control systems; radar, propulsion, fuel, and hydraulic systems operation; and electronic fundamentals, including AC and DC theory, reactive circuits, vacuum tubes, transistors, amplifiers, generator scope, and power distribution.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0109

Missile Pneudraulic Repairman

Course Number: ABR44230A.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 12 weeks (360 hours).

Exhibit Dates: 8/62-12/68.

Objectives: To train enlisted personnel to operate, test, troubleshoot, and repair specialized guided missile hydraulic and pneumatic equipment.

Instruction: Lectures and practical exercises in guided missile weapons system introduction, airborne and ground hydraulic and pneumatic systems, test and aerospace ground equipment operation, testing, troubleshooting, and repair.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1704-0110

Missile Pnuedraulic Repairman (SM-65F)

Course Number: ABR44230A-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 8 weeks (240 hours).

Exhibit Dates: 9/61-12/68.

Objectives: To train enlisted personnel to service, troubleshoot, and repair specialized missiles, ground and airborne equipment, and hydraulic and pneumatic devices.

Instruction: Lectures and practical exercises in weapon system introduction; hydraulic pumping units and airborne hydraulic systems servicing and repair; aerospace ground equipment and propellant transfer systems operation; and missile facility hydraulic systems and airborne pneumatic systems testing, troubleshooting, replacement, and repair.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1704-0111

Missile Pneudraulic Repairman, WS-133A,B,A-M
(Missile Pneudraulic Repairman, WS-133A)

Course Number: ALR44230-3.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 4 weeks (108-120 hours).

Exhibit Dates: 6/65-12/68.

Objectives: To train enlisted personnel to operate, troubleshoot, and maintain specific guided missile hydraulic and pneumatic systems.

Instruction: Lectures and practical exercises in ballistic missile hydraulic and pneumatic systems operation and maintenance, including missile orientation, weapon system environmental hazards, pneumatic system components description and operation, troubleshooting procedures, and replacement and minor repair of hydraulic and pneumatic devices used in guided missile systems.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1704-0112

Missile Pneudraulic Repairman (PGM-16D)
(Missile Pneudraulic Repairman (SM-65D))

Course Number: ABR44230B.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 10 weeks (300 hours).

Exhibit Dates: 7/62-12/68.

Objectives: To train airmen to repair missile pneumatic and hydraulic devices.

Instruction: Lectures and practical exercises in the operation, maintenance, and repair of specialized missile ground and airborne equipment, including operation of missile pneumatic and hydraulic AGE and installed systems and components, security procedures, hydraulic pumping unit flow diagram and electrical control circuit, and testing and inspection of the airborne hydraulic subsystem and nitrogen charge panel.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1704-0113

Missile Pneudraulic Repairman (HGM-25A)
(Missile Pneudraulic Repairman (SM-68A))

Course Number: ABR44230E.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 8 weeks (240 hours).

Exhibit Dates: 1/62-12/68.

Objectives: To train airmen to repair missile pneumatic and hydraulic devices.

Instruction: Lectures and practical exercises in the troubleshooting and repair of specialized guided missile hydraulic and pneumatic devices, including auxiliary hydraulic pumping unit system operation and description, test set operation, fluid contamination specifications and equipment, portal hydraulic system, and power unit, subsystems, electrical system, and troubleshooting of the missile launcher and antenna elevating and protecting set.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1704-0114

Aircraft Electrical Repairman
(Aircraft and Missile Electrical Repairman)

Course Number: 3ABR42330; ABR42330-1; AB42330-1; AB42330-2; AB42330.

Location: 3345th Technical School, Chanute AFB, IL; 3750th Technical School, Sheppard AFB, TX.

Length: 16-19 weeks (480-540 hours).

Exhibit Dates: 10/54-12/73.

Objectives: To train airmen to inspect, install, repair, and modify aircraft and missile electrical systems, components and associated test equipment.

Instruction: Lectures and practical exercises in the inspection, installation, repair, and modification of aircraft and missile electrical systems, components and associated test equipment, including basic mechanics and electricity, electronics principles (with brief treatment of solid-state devices), DC power and motor systems, AC power systems, control and warning systems, missile familiarization, maintenance practices, and use and maintenance of test equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0115

ADVANCED OBSERVER AIRCRAFT PERFORMANCE ENGINEER

Course Number: 432104.

Location: Air Training Command, Mather AFB, CA.

Length: 36 weeks (967 hours).

Exhibit Dates: 6/56-12/68.

Objectives: To qualify graduates of primary-basic observer courses as aircraft performance engineers.

Instruction: Lectures and practical exercises on the duties of advanced observers and aircraft performance engineers, including administrative publications, technical orders and aircraft inspections; aircraft structures and ground handling equipment; instruments and electrical power distribution; engines and fuel systems; propeller; engine performance and engine analyzer; engine conditioning and jet engines; hydraulic systems; slide rule; weight and balance; basic physics and aerodynamics; and flight analysis and mission prediction.

Credit Recommendation: In the upper-division baccalaureate category, credit in aeronautical engineering on the basis of institutional evaluation (12/68).

AF-1704-0116

BASIC OBSERVER AIRCRAFT PERFORMANCE ENGINEER TRAINING

Course Number: 432101(2).

Location: Air Training Command, Mather AFB, TX.

Length: 28 weeks (844 hours).

Exhibit Dates: 2/54-5/56.

Objectives: To train graduates of the primary observer course to perform as aircraft observers and aircraft performance engineers.

Instruction: Lectures and practical exercises in the functions of basic observers and aircraft performance engineers, including administration and aircraft general familiarization, performance fundamentals, engines and associated systems, aircraft systems, performance curves, performance problems and operations, air indoctrination, and officer training.

Credit Recommendation: In the upper-division baccalaureate category, credit in aeronautical engineering on the basis of institutional evaluation (12/68).

AF-1704-0117

HELICOPTER MECHANIC, CH/HH-3
(Helicopter Mechanic, CH-3C)

Course Number: 3AZR43170-3; AZR43170-3.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 6 weeks (180 hours).

Exhibit Dates: 10/65-12/73.

Objectives: To train maintenance personnel in CH/HH-3 helicopter maintenance, including organizational maintenance on the T-58 engine.

Instruction: Lectures and practical exercises in the maintenance of the CH/HH-3 helicopter, including organizational maintenance on the T-58 engine. Course includes identification, location, function, servicing, replacement, inspection, and adjustment of helicopter systems and components, troubleshooting, engine change and inspection, and preparation of engines for storage.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0118

KC-135 AIRCRAFT HYDRAULIC REPAIRMAN
(KC-135 Aircraft Repairman, Hydraulic)

Course Number: ATS42152-18; SS42152-18.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 3 weeks (90 hours).

Exhibit Dates: 4/58-12/68.

Objectives: To train selected hydraulic repairmen to maintain the KC-135 aircraft hydraulic system.

Instruction: Lectures and practical exercises in the repair and maintenance of the KC-135 aircraft hydraulic system. Course includes identification and location of system components, function and operating principles; system operation, servicing, inspection, maintenance, and troubleshooting; power generation and distribution; landing gear retraction; shock struts; and brake, flight control, flap, spoiler, cargo door and aerial refueling systems.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0119

MB-5 AUTOPILOT REPAIRMAN, F-101B

Course Number: ATS42353-2.

Location: 3320th Technical School, Amarillo AFB, TX.

Length: 6 weeks (180 hours).

Exhibit Dates: 8/58-12/68.

Objectives: To train autopilot and compass systems repairmen technicians to maintain F-101B automatic flight control systems.

Instruction: Lectures and practical exercises in the repair and maintenance of F-101B automatic flight control systems. Course includes aircraft familiarization; function and arrangement of damper, autopilot, compass, and integrated limiter systems and components; integrated coupler; system operational modes, inspection and maintenance, including check-out and testing, troubleshooting, adjusting, calibrating, removal and installation; and use of associated test equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0120

HELICOPTER MAINTENANCE OFFICER

Course Number: OTS4344.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 3 weeks (90 hours).

Exhibit Dates: 2/59-12/68.

Objectives: To train commissioned officers to maintain helicopters.

Instruction: Lectures and practical exercises in the theory and practice of helicopter maintenance. Course includes history and development of helicopters and helicopter aerodynamics; construction and service requirements of single- and dual-rotor helicopter components such as transmissions, controls, engines, and special systems.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0121

KC-135 IN-FLIGHT REFUELING SPECIALIST

Course Number: SS43350-3.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 4 weeks (120 hours).

Exhibit Dates: 4/58-12/68.

Objectives: To train maintenance and instructor personnel to maintain the KC-135 aircraft in-flight refueling system.

Instruction: Lectures and practical exercises in the maintenance of the KC-135 aircraft in-flight refueling system. Course includes operation, inspection, troubleshooting, and repair of the KC-135 in-flight refueling system.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1704-0122

KC-135 AIRCRAFT MECHANIC

Course Number: SS43151E-12.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 7 weeks (210 hours).

Exhibit Dates: 4/58-12/68.

Objectives: To train maintenance personnel in the mechanics and maintenance of the KC-135 aircraft.

Instruction: Lectures and practical exercises in the mechanics and maintenance of the KC-135 aircraft. Topics include systems familiarization, inspection and repair, accessories, and associated equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0123

AIRCRAFT MECHANIC, F-102A

Course Number: SS43151C-11.

Location: 3320th Technical School, Amarillo AFB, TX.

Length: 4 weeks (120 hours).

Exhibit Dates: [illegible]/58-12/68.

Objectives: To train enlisted personnel in the mechanics of F-102A aircraft.

Instruction: Lectures and practical exercises in the mechanics and operation of F-102A aircraft. Topics include F-102A systems familiarization; location, operation, servicing, troubleshooting, adjustment, and replacement of airframe and systems components; and use and operator maintenance of ground powered support and handling equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0124

AIRCRAFT HYDRAULIC REPAIRMAN, F-102A

Course Number: SS42152-16.

Location: 3320th Technical School, Amarillo AFB, TX.

Length: 3 weeks (90 hours).

Exhibit Dates: 3/58-12/68.

Objectives: To train selected enlisted personnel to maintain the F-102A hydraulic system.

Instruction: Lectures and practical exercises in the maintenance of the F-102A hydraulic system. Topics include instruction in hydraulic power system component location, function, troubleshooting, servicing, replacement, repair and adjustment; and seat and canopy, electrical power, armament, landing gear, wheel brake, nose wheel steering, deceleration, and flight control systems.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0125

KC-135 AIRCRAFT ELECTRICAL REPAIRMAN
(Aircraft Electrical Repairman, KC-135)

Course Number: ATS42350-42; [illegible]42350-42.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 4 weeks (120 hours).

Exhibit Dates: 4/58-12/68.

Objectives: To train maintenance and instructor personnel to maintain KC-135 electrical systems.

Instruction: Lectures and practical exercises in the maintenance of KC-135 aircraft electrical systems. Topics include instruction in aircraft general familiarization, identification and location of electrical systems and components, and functional operating principles, troubleshooting, servicing, minor repair, adjustment, inspection, and maintenance of AC/DC power generating and distribution systems.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0126

GUIDANCE SYSTEM TECHNICIAN (SM-68)

Course Number: ATS31170P-2.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 32 weeks (960 hours).

Exhibit Dates: 6/61-12/68.

Objectives: To train advanced maintenance technicians to maintain and repair rocket guidance systems.

Instruction: Lectures and practical exercises in the maintenance and repair of rocket guidance systems. Course includes functional description, operating procedures, operational check-out, simplified troubleshooting, removal and replacement, alignment procedures, data flow loop theory, inspections, chassis repair, and test pack operation and maintenance.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electrical systems maintenance management (6/74).

AF-1704-0127

HAMILTON STANDARD PROPELLER, C-119 INSTALLATION

Course Number: SS42151-7.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 3 weeks (90 hours).

Exhibit Dates: 4/58-12/68.

Objectives: To train aircraft propeller repairmen to maintain the Hamilton standard propeller model 24260.

Instruction: Lectures and practical exercises in the maintenance of the Hamilton standard propeller model 24260. Course includes instruction in model 24260 propeller assembly, control system construction and operation fundamentals; and disassembly, inspection, assembly and test procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0128

AIRCRAFT ELECTRICAL REPAIRMAN, F-102A

Course Number: SS42350-39.

Location: 3320th Technical School, Amarillo AFB, TX.

Length: 3 weeks (90 hours).

Exhibit Dates: 3/58-12/68.

Objectives: To train enlisted personnel to perform field and organizational maintenance on the F-102A electrical power and distribution system and the electrical subsystem.

Instruction: Lectures and practical exercises in the repair and maintenance of the F-102A electrical power and distribution system and the electrical subsystem. Topics include identification, location, and function of system components; troubleshooting, servicing, and replacement of components; and minor repairs and adjustments.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0129

AIRFRAME REPAIR SPECIALIST
(Airframe Repairman)

Course Number: 3ABR53430-1; ABR53430; AB53430.

Location: *Version 1:* School of Applied Aerospace Sciences, Chanute AFB, IL. *Version 2:* 3345th Technical School, Chanute AFB, IL. *Version 3:* 3320th Technical School, Amarillo AFB, TX.

Length: 15-18 weeks (450-550 hours).

Exhibit Dates: 9/54-12/73.

Objectives: To train airframe technicians to perform general, light structural, and heavy structural repairs on airframes.

Instruction: Lectures and practical exercises in metal component repair principles, procedures and techniques; layout of repairs; metal cutting and forming equipment operation; riveting and riveting equipment; corrosion control; fiberglass structures repair; bonded honeycomb structures repair; cable fabrication; dimpling; special tools operation; and safety practices.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0130

JET ENGINE MECHANIC, T-58

Course Number: 3AZR43270-5; AZR43270-5.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 3-4 weeks (90-108 hours).

Exhibit Dates: 10/65-12/73.

Objectives: To train maintenance personnel to perform limited field maintenance on the T-58 gas turbine engine, and organizational maintenance on the T62T-16B auxiliary power unit.

Instruction: Lectures and practical exercises in the maintenance of the jet T-58 gas turbine engine. Course includes safety factors; system components; theory of operation of the gas turbine engine; location, identification, function, operation, inspection, and adjustment of units in the engine systems; partial disassembly, inspection, and assembly of the T-58/T62T-16B engine; and removal and replacement of engine accessories.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0131

MISSILE ENGINE MECHANIC

Course Number: AL43233.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 8 weeks (240 hours).

Exhibit Dates: 4/58-12/68.

Objectives: To train selected personnel as missile engine mechanics.

Instruction: Lectures and practical exercises in the mechanics of missile engines. Course includes properties of solids and fluids, physics of propellants, protective clothing, fuels, oxidizers, propellant storage and auxillary power supplies.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (6/74).

AF-1704-0132

MISSILE ENGINE MECHANIC, IM-99

Course Number: ATS43351-5.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 4 weeks (120 hours).

Exhibit Dates: 1/59-12/68.

Objectives: To train enlisted personnel as missile engine mechanics.

Instruction: Lectures and practical exercises in the maintenance and basic operating principles of the IM-99 missile engine. Course includes missile familiarization, basic physics, mechanics, handling of uncommon liquid propellants, protective equipment and devices, rocket engine operation, and safety procedures and first aid.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0133

MISSILE ENGINE MECHANIC (SM-65E/F)

Course Number: ABR44331A-2.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 6 weeks (180 hours).

Exhibit Dates: 11/61-12/68.

Objectives: To train enlisted personnel to perform apprentice level maintenance on the MA-3 propulsion system and related aerospace ground equipment.

Instruction: Lectures and practical exercises in the maintenance of the MA-3 propulsion system. Course includes MA-3 propulsion system components, removal and replacement of engines and components, engine sequencing, ground handling equipment, check-out of propulsion system, operation and operator maintenance of the system test stand, and all necessary safety precautions.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0134

MISSILE ENGINE MECHANIC (SM-65D)

Course Number: ABR44331A-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 6 weeks (180 hours). *Version 2:* 8 weeks (240 hours).

Exhibit Dates: *Version 1:* 5/63-12/68. *Version 2:* 11/61-4/63.

Objectives: To train personnel with prior technical experience to perform as missile engine mechanics.

Instruction: Lectures and practical exercises in apprentice-level maintenance of the MA-2 propulsion system and related aerospace ground equipment, including system and components, removal and replacement of engines and components, electrical sequencing, ground equipment maintenance, check-out of propulsion system, mating and demating procedures, operation and operator maintenance of system test stand, and all necessary safety precautions.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0135

Missile Engine Mechanic

Course Number: ABR43331; AB43233.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 14 weeks (390 hours).

Exhibit Dates: 2/58-12/68.

Objectives: To train personnel as missile engine mechanics.

Instruction: Lectures and practical exercises in the duties of missile engine mechanics, including missile fundamentals; missile systems familiarization; rocket engine operation, construction, maintenance, testing, and repair; missile engine components construction and operation; mechanics of missile propulsion; selected missile engine systems; and rocket removal and decontamination.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0136

Missile Engine Mechanic (HGM-25A)
(Missile Engine Mechanic (SM-68A))

Course Number: ABR44331E-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 8-10 weeks (240-300 hours).

Exhibit Dates: 2/62-12/68.

Objectives: To train personnel as missile engine mechanics.

Instruction: Lectures and practical exercises on the duties of missile engine mechanics, including WS107B and WS107A-2 familiarization, stages I and II rocket engine familiarization, maintenance and check-out, and silo maintenance.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1704-0138

Missile Engine Mechanic/Technician, SM-68B

Course Number: ATS44351E-3.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 12 weeks (360 hours).

Exhibit Dates: 2/62-12/68.

Objectives: To train personnel as missile engine mechanics and technicians.

Instruction: Lectures and practical exercises on the handling, operation, and maintenance of stages I and II liquid rocket engines, propellant feed and pressurization systems, components and associated MGE, including general familiarization, propellants, and general safety, XLR87-AJ-5 engine familiarization and maintenance, and XLR91-AJ-5 engine familiarization.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (6/74).

AF-1704-0139

Missile Mechanic (SM-65D)

Course Number: ABR44330A-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 10 weeks (300 hours).

Exhibit Dates: 8/62-12/68.

Objectives: To train enlisted personnel as apprentice missile mechanics.

Instruction: Lectures and practical exercises in the duties of missile mechanics, including weapon system familiarization, safety and first aid, missile handling and transportation, launch emplacement and facilities familiarization, inspection and maintenance concepts, missile pressurization, erection system, missile transfer, missile check-out procedures, launch control functional analysis, and operational sequence.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0140

Missile Engine Mechanic (SM-65D)

Course Number: AZR44331A-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 3 weeks (90 hours).

Exhibit Dates: 8/62-12/68.

Objectives: To train enlisted personnel as ballistic missile engine mechanics.

Instruction: Lectures and practical exercises in the duties of missile engine mechanics. Course includes handling and operation of liquid nitrogen and helium, ground handling equipment operation, missile pressurization, engine and accessory power supply, hydraulics, flight controls, and fuel transfer.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0141

Missile Engine Mechanic/Technician, SM-68

Course Number: ATS43351-6.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 12 weeks (360 hours).

Exhibit Dates: 7/61-12/68.

Objectives: To train enlisted personnel to perform the duties of a missile engine mechanic.

Instruction: Lectures and practical exercises in the duties of a missile engine mechanic. Course includes instruction in weapon system familiarization, handling, maintenance and check-out, missile propellant system, and stage I & II rocket engine familiarization.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0142

In-Flight Refueling Specialist

Course Number: ABR42432.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 12 weeks (330 hours).

Exhibit Dates: 4/62-12/68.

Objectives: To train enlisted personnel as apprentice in-flight refueling specialists.

Instruction: Lectures and practical exercises in the duties of an in-flight refueling specialist. Course includes basic electrical and hydraulic systems; operation of the hose reel and boom systems; operational procedures and inspection of the KC-135 system; principles of weight, balance, and cargo loading; and principles of celestial navigation and block measurement.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0143

A/E24U-8 Power Plant Intermediate and Organizational (I & O) Maintenance

Course Number: 3ABR42153-1; AZR42153-1.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL.

Length: 5-6 weeks (168-208 hours).

Exhibit Dates: 3/72-12/73.

Objectives: To train enlisted personnel to maintain electrical power plants.

Instruction: Lectures and practical exercises in the maintenance of electrical power plants. Topics include gas turbine engines, solid-state control devices, and logic and circuit functions and diagrams.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in gas turbine engines, 3 in electronics laboratory (7/74).

AF-1704-0144

Maintenance of A/S 48A-1 Wheel Mover

Course Number: ATS47152-51.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 3 weeks (90 hours).

Exhibit Dates: 1/62-12/68.

Objectives: To train enlisted personnel to operate the A/S 48A-1 wheel mover.

Instruction: Lectures and practical exercises in the operation and maintenance of the A/S 48A-1 wheel mover. Course includes hook-up and unhook procedures, hydraulic systems, electrical systems, and aircraft stacking.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (7/74).

AF-1704-0145

Aircrew Life Support Equipment

Course Number: 3AZR92250-4; 2ASR92250-4.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL.

Length: 4 weeks (120-146 hours).

Exhibit Dates: 2/73-12/73.

Objectives: To train enlisted personnel to use, operate, inspect, and maintain aircrew, escape, and survival equipment.

Instruction: Lectures and practical exercises in the use of aircrew life-support equipment, including protective and survival equipment, special-purpose clothing, oxygen equipment, and ejection seats.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (7/74).

AF-1704-0146

Missile and Facility Pneudraulic Technician (SM-65F)

Course Number: ATS44270A-1; ATS42152-34.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 12-15 weeks (360-450 hours).

Exhibit Dates: 4/61-12/68.

Objectives: To train personnel to perform as missile and facility pneudraulic technicians (SM-65F).

Instruction: Lectures and practical exercises in the operation and maintenance of the Atlas F series hydraulic and pneumatic systems, components, and associated servicing and test equipment, including introduction to weapon system 107A-1; hydraulic pumping units; airborne hydraulic systems; nitrogen system and MGE; ground pneumatic, propellant transfer, and airborne pneumatic systems and related AGE; check-out of pneumatic systems; and PU systems and facility hydraulic system.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0147

Avionics Officer (AGM-28A)
(Armament Systems Officer (GAM-77))

Course Number: OZR3231B-2; OTS3234B-4.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 4 weeks (108-120 hours).

Exhibit Dates: 5/61-12/68.

Objectives: To train officers to operate and maintain GAM-77A missile systems.

Instruction: Lectures and practical exercises in operation and maintenance of GAM-77A missile systems, including WS 131B weapons system description, GAM-77A subsystem functions, arming, fuzing, logistics, test equipment, associated ground support equipment, and troubleshooting procedures.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (6/74).

AF-1704-0148

MB-2 Autopilot, F-84F

Course Number: SS42353-4.

Location: 3320th Technical School, Amarillo AFB, TX.

Length: 4 weeks (120 hours).

Exhibit Dates: 5/58-12/68.

Objectives: To train aircraft electrical repairmen and technicians to maintain F-84F autopilot systems.

Instruction: Lectures and practical exercises in the maintenance of F-84A autopilot systems, including aircraft familiarization; autopilot components, inspection, testing and troubleshooting; installation procedures; use of associated test equipment; adjustments; and instruction on the autopilot sensing component.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0149

Missile Mechanic/Maintenance Technician, IM-99B

Course Number: ATS44350J-2.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 9 weeks (270 hours).

Exhibit Dates: 6/62-12/68.

Objectives: To train selected enlisted personnel to assemble, transport, and perform operational inspections on IM-99B missiles.

Instruction: Lectures and practical exercises in assembly, transportation, and operation of IM-99B missiles. Course includes propulsion systems, safety and first aid, airframe, engine construction and maintenance, troubleshooting, missile hydraulic systems, and inspection procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0150

Missile Mechanic (Tactical) (TM-76A/B)
(Missile Mechanic (TM-76A/B))
(Missile Mechanic (TM-76))
(Missile Specialist (TM-76))
(Missile Mechanic (TM-76A))

Course Number: ABR44330L; ABR44330G.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 17-24 weeks (480-630 hours).

Exhibit Dates: 10/58-9/62.

Objectives: To train airmen to maintain and repair TM-76A/B Mace missiles.

Instruction: Lectures and practical exercises in the maintenance and repair of TM-76A/B Mace missiles, including physics and mechanics, basic electricity and electrical troubleshooting, aerodynamics, hydraulics, engines, missile fuel systems, rockets, propellants and specific missile systems components, launching equipment, erection procedures, check-out equipment and procedures, and support and handling equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0151

Missile Mechanic/Maintenance Technician, SM-68B

Course Number: ATS44350E-3.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 6 weeks (180 hours).

Exhibit Dates: 1/62-12/68.

Objectives: To train selected mechanics to maintain and operate a missile installation (SM-68B).

Instruction: Lectures and practical exercises in the maintenance and operation of a missile installation. Course includes weapons systems, launching procedures, airframe configuration, missile propulsion, missile hydraulic, and missile handling systems.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0152

Missile Facilities Technician, SM-80

Course Number: ATS54170G-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 9 weeks (270 hours).

Exhibit Dates: 7/62-12/68.

Objectives: To train selected enlisted personnel to operate and maintain SM-80 missile systems.

Instruction: Lectures and practical exercises in the operation and maintenance of SM-80 missile systems. Course includes safety and security, rocket engine theory, transporter and erector systems, launch site maintenance, and transportation methods.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0153

Missile Technician (GAM-77)

Course Number: ATS43370-3.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 4-6 weeks (120-180 hours).

Exhibit Dates: 2/61-12/68.

Objectives: To train enlisted personnel to operate, maintain, and inspect the GAM-77 missile.

Instruction: Lectures and practical exercises in the operation, maintenance, and inspection of the GAM-77 missile, including missile and ground support equipment; missile assembly, transportation, and handling; removal and replacement of missile and pylon on the B-52; and inspection of engine, fuel, electrical, hydraulic, pressurization, temperature control, and pitot static system.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0154

Missile Mechanic, GAM-72

Course Number: ATS43350-5.

Location: 3320th Technical School, Amarillo AFB, TX.

Length: 6 weeks (180 hours).

Exhibit Dates: 9/60-12/68.

Objectives: To train selected enlisted personnel to maintain and operate GAM-72 missile installations.

Instruction: Lectures and practical exercises in maintenance and operation of GAM-72 missile installations. Course includes installation, removal, and servicing of engines; electrical circuits and components; tests of the flight control system; and removal, installation, and adjustment of launch controls.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0155

Missile Mechanic (HGM-25A)
(Missile Mechanic (SM-68A))

Course Number: ABR44330E-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 8-10 weeks (240-300 hours).

Exhibit Dates: 1/62-12/68.

Objectives: To train airmen as SM-68 missile mechanics and Titan I maintenance supervisors.

Instruction: Lectures and practical exercises in the duties of SM-68 missile mechanics and Titan I maintenance supervisors, including missile handling, transportation, installation, and removal; inspection of missile systems and associated equipment in the silo and propellant terminal; pressurization systems; communications system; launch complex systems; fuel system; propulsion, electrical, flight control, and hydraulic systems; and components of the launcher system.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0156

Fundamentals of Missile Engine Maintenance

Course Number: AQR44321; ABR44321.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 10 weeks (270 hours).

Exhibit Dates: 8/61-12/68.

Objectives: To train airmen to inspect and maintain missile engines in preparation for entry into SM-65 and SM-68 missile engine mechanics courses.

Instruction: Lectures and practical exercises in the inspection and maintenance of missile engines, including elements of physics, principles of hydraulics, rocket engine theory and subsystems, aerospace ground equipment, electrical principles, propellants, hydraulic pumping unit, and test equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0157

MISSILE MECHANIC (PGM-16E AND PGM-16F)
Missile Mechanic (SM-65E/F)

Course Number: ABR44330A-2.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 12 weeks (300–360 hours).
Exhibit Dates: 8/62–12/68.
Objectives: To train airmen as missile mechanics for PGM-16E and HGM-16F missiles.
Instruction: Lectures and practical exercises in the duties of missile mechanics for PGM-16E and HGM-16F missiles, including airframe maintenance, missile handling, propulsion systems, launching and erection systems, emplacement, propellants, missile transportation, flight control and guidance systems, and aerospace ground equipment.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0158

AIRCRAFT ELECTRICIAN GUNNER, B-36

Course Number: ZZ42331.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 8 weeks (240 hours).
Exhibit Dates: 4/56–12/68.
Objectives: To train enlisted personnel as aerial gunners for B-36 type aircraft.
Instruction: Lectures and practical exercises in the principles, procedures, and techniques of aerial gunnery, including 20mm automatic guns and associated equipment, gun chargers, 20mm feed mechanisms and boosters, dynamic mounts and GE assist-feed winders, 20mm ammunition, preflight and postflight procedures, interphone procedures, emergency procedures, and malfunction procedures.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (7/74).

AF-1704-0159

MISSILE GROUND SUPPORT EQUIPMENT REPAIR TECHNICIAN/REPAIRMAN (SM-65F)

Course Number: ATS42153-51.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 20 weeks (600 hours).
Exhibit Dates: 6/61–12/68.
Objectives: To train enlisted personnel to operate, inspect, maintain, and repair SM-65F missile ground support equipment.
Instruction: Lectures and practical exercises in the operation, inspection, maintenance, and repair of SM-65F missile ground support equipment, including launch installation, heating, ventilation, air cooling system, power distribution systems, pneumatic and hydraulic systems, fluid storage facilities, missile lift and suspension systems, and the propellant transfer system.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0160

MISSILE MAINTENANCE TECHNICIAN, SM-62

Course Number: ATS43370-1.
Location: 3320th Technical School, Amarillo AFB, TX.
Length: 9 weeks (270 hours).
Exhibit Dates: 3/59–12/68.
Objectives: To train airmen to operate and maintain SM-62 weapon systems.
Instruction: Lectures and practical exercises in the operation and maintenance of SM-62 weapon systems, including inspection, removal, and replacement of airframe assemblies; troubleshooting and inspection of fuel, electrical, hydraulic, air-conditioning and pressurizing, and engine systems; use and operation of engine-start and launch and performance consoles; maintenance of launch support equipment; flight control and power plant; and preoperational procedures.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0161

PNEUDRUALIC REPAIRMAN (HH-53)

Course Number: 3AZR42172-0.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 2 weeks (60 hours).
Exhibit Dates: 3/72–12/73.
Objectives: To train enlisted personnel to maintain HH-53 helicopter pneudraulic systems at the intermediate level.
Instruction: Lectures and practical exercises in the maintenance of HH-53 helicopter pneudraulic systems, including aerodynamics, utility system, pressure supply system, landing gear and power brakes, ramp and door system, engine start system, flight control system, rotor brake power section, rotor head damping system, and troubleshooting and operating procedures for the pneudraulic system components.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0163

ROCKET PROPULSION TECHNICIAN (INTERIM)

Course Number: AL44170I.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 5 weeks (150 hours).
Exhibit Dates: 2/55–12/68.
Objectives: To train airmen to maintain, repair, and inspect liquid-propellant rockets.
Instruction: Lectures and practical exercises in the maintenance, repair, and inspection of liquid-propellant rockets, including components of pilotless aircraft (installation procedures); airflow (subsonic and supersonic characteristics); guidance and control systems; shelter and launching equipment; and storage and handling of propellants and gases.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0164

TERMINAL INSTRUMENT PROCEDURES

Course Number: 3OZR1411-4.
Location: School of Applied Aeronautical Sciences, Keesler AFB, MS.
Length: 3 weeks (90 hours).
Exhibit Dates: 2/73–12/73.
Objectives: To train airmen to develop terminal instrument procedures.
Instruction: Lectures and practical exercises in the development of terminal instrument procedures, including airspace area design and utilization, precision and non-precision terminal instrument procedures, radar terminal instrument procedures, navigation, and federal air regulations.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0165

AIRCRAFT ELECTRICAL REPAIR TECHNICIAN
(Aircraft and Missile Electrical Repair Technician)

Course Number: 3AAR42370; AAR42370; AA42370.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 14–16 weeks (420–480 hours).
Exhibit Dates: 4/58–12/73.
Objectives: To train airmen to repair electrical equipment on aircraft.
Instruction: Lectures and practical exercises in the repair of aircraft electrical equipment, including DC and AC power supplies, transformers and motors, diodes, transistors, special-purpose tubes, switching circuits, oscillators, inverters and control panel circuits, electrical test equipment, electrical system components and subsystems, troubleshooting and maintenance, and maintenance management procedures.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical laboratory on the basis of institutional evaluation (7/74).

AF-1704-0166

AIRCRAFT ELECTRICAL REPAIRMAN, F-104

Course Number: SS42350-40.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 4 weeks (120 hours).
Exhibit Dates: 4/58–12/68.
Objectives: To train maintenance personnel to maintain the electrical system of the F-104 aircraft.
Instruction: Lectures and practical exercises in the maintenance of the electrical system in the F-104 aircraft. Course includes troubleshooting procedures, electrical components, lubrication of parts, and inspection techniques.
Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1704-0167

AIRCRAFT ELECTRICAL REPAIRMAN, B-52H
(Aircraft Electrical Repairman, B-52)

Course Number: ATS42350-59; SS42350-11.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 6 weeks (180 hours).
Exhibit Dates: 4/58–12/68.
Objectives: To train maintenance and instructor personnel to maintain the B-52 aircraft.
Instruction: Lectures and practical exercises in the maintenance of the B-52 aircraft, including AC and DC components, landing gear, anti-icing control, temperature regulating control, lighting controls, engine fuel control, hydraulics, flight control system, electrical systems, and troubleshooting procedures.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0168

INSTRUMENT TRAINER INSTRUCTOR—OPERATOR

Course Number: ATS34151; SS34151.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 8–10 weeks (240–300 hours).
Exhibit Dates: 5/58–12/68.
Objectives: To train Strategic Air Command enlisted personnel to perform as instructor-operators of instrument trainers (procedures).
Instruction: Lectures and practical exercises in the duties of an instrument trainer instructor-operator. Course includes air traffic control, weather, dead-reckoning computer, radio telephone procedures, navigational aids, and instrument landing system.
Credit Recommendation: In the upper-division baccalaureate category, credit in instrument navigation on the basis of institutional evaluation (12/68).

AF-1704-0169

FLIGHT TRAINING DEVICES INSTRUCTOR OPERATOR

Course Number: AZR34151.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 8 weeks (240 hours).
Exhibit Dates: 12/60–12/68.
Objectives: To train personnel as flight training devices instructor-operators.
Instruction: Lectures and practical exercises on flight training devices, including instructor-operator fundamentals, radio telephone procedures, air traffic control, basic instrument flying procedures, dead-reckoning computers, weather principles and practices, basic flight instruments, advanced instrument flying procedures, specific radio range application, automatic direction finding, instrument landing procedures, instrument landing system, and ground control approach.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0170

AIRCRAFT CONTROL AND WARNING OPERATOR (SEMI-AUTOMATIC/412L)

Course Number: ABR27330B-1.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 15 weeks (420 hours).
Exhibit Dates: 5/63–12/68.
Objectives: To train airmen in the principles of operation of the 412L air weapons control system.
Instruction: Lectures and practical exercises in the operation of the 412L air weapons control system, including the duties and tasks of the surveillance operators, identification operators, and height operators; the organization, operation, and procedures of the situation projection group, jammer tracker group, and weapons control group; radar familiarization and the ACW system; data acquisition; data processing and display; communications; and ancillary subsystems.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (3/74).

AF-1704-0171

WEAPONS MECHANIC ADC/ANG-RES

Course Number: 3ABR46230-8.
Location: School of Applied Aerospace Sciences, Lowry AFB, CO.
Length: 10 weeks (305–416 hours).
Exhibit Dates: 8/73–12/73.
Objectives: To train airmen to inspect, handle, and maintain weapon systems.
Instruction: Lectures and practical exercises in the inspection, handling, and maintenance of weapon systems, including maintenance management, weapons launching system, aerospace munitions handling and loading equipment; loading and positioning of nonnuclear and nuclear munitions, preparation of aircraft for loading operations, and fundamentals of electricity.
Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1704-0173

1. MISSILE PNEUDRAULIC REPAIRMAN (LGM-25)
2. MISSILE PNEUDRAULIC REPAIRMAN (LGM-25)
3. MISSILE PNEUDRAULIC REPAIRMAN (LGM-25C)
   (Missile Pneudraulic Repairman (SM-68B))

Course Number: *Version 1:* 3ABR44230-1; 3ABR44230F-1. *Version 2:* 3ABR44230F-1; ABR44230F-1. *Version 3:* ABR44230F.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: *Version 1:* 13–14 weeks (408 hours). *Version 2:* 18 weeks (510 hours). *Version 3:* 7–8 weeks (210–240 hours).
Exhibit Dates: *Version 1:* 4/71–12/73. *Version 2:* 4/66–3/71. *Version 3:* 7/62–3/66.
Objectives: To train airmen as missile pneudraulic repairmen for specific missiles.
Instruction: *All Versions:* Lectures and practical exercises on the duties of missile pneudraulic repairmen. *Version 1:* Topics include principles of mechanics and electricity, weapon system familiarization and facility systems, maintenance system, facility pneudraulic systems, hydraulic pumping unit and fluid analysis, antenna pneumatic systems and test stands, and missile hydraulic system. *Version 2:* Topics include principles of mechanics; fundamentals of AC and DC; motors, generators, and malfunction analysis; electronics and rocket engines; calibration, hydraulic pumping unit, and fluid analysis; flight controls, missile hydraulic systems and hydraulic system control unit; facility pneudraulic systems; antenna pneumatic systems and hydraulic components test stand. *Version 3:* Topics include familiarization and safety; fluid decontamination, forms and flight control; operating ground equipment; missile hydraulic system and test stand; blast door and work platform systems; blast valve and silo closure systems; and facility air compressor and pneumatic systems.
Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the upper-division baccalaureate category, 1 semester hour in electricity for non-technical students (7/74). *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0174

B-52G FUEL SYSTEM REPAIRMAN AND WET WING SEALING

Course Number: ATS43155-1.
Location: 3345th Technical School, Chanute AFB, IL.
Length: *Version 1:* 3 weeks (180 hours). *Version 2:* 4 weeks (120 hours).
Exhibit Dates: *Version 1:* 7/60–12/68. *Version 2:* 1/59–6/60.
Objectives: To train enlisted personnel as B-52G fuel system repairmen.
Instruction: *All Versions:* Lectures and practical exercises in the maintenance of the B-52G aircraft fuel system, including air plant familiarization, sealant application, leak detection procedures, corrosion control, tank and cavity vent and drain system, removal and installation procedures for fuel tanks and components, and fuel system operation. *Version 1:* Topics include integral tank construction and methods and procedures for maintenance of integral tanks. *Version 2:* Topics include inspection and maintenance of integral tanks.
Credit Recommendation: *Version 1:* See explanatory note at the beginning of the Air Force section. *Version 2:* See explanatory note at the beginning of the Air Force section.

AF-1704-0175

KC-135 FUEL SYSTEM REPAIRMAN AND WET WING SEALING

Course Number: ATS43155-2.
Location: 3345th Technical School, Chanute AFB, IL.
Length: *Version 1:* 3 weeks (180 hours). *Version 2:* 4 weeks (120 hours).
Exhibit Dates: *Version 1:* 7/60–12/68. *Version 2:* 1/59–6/60.
Objectives: To train enlisted personnel to inspect, repair, and maintain the KC-135 aircraft fuel system.
Instruction: Lectures and practical exercises in the inspection, repair, and maintenance of the KC-135 aircraft fuel system. Course includes tank construction and leak detection techniques.
Credit Recommendation: *Version 1:* See explanatory note at the beginning of the Air Force section. *Version 2:* See explanatory note at the beginning of the Air Force section.

AF-1704-0176

M37-T1 TEST STAND, MAINTENANCE AND CALIBRATION

Course Number: ATS42153-54.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 3 weeks (90 hours).
Exhibit Dates: 6/61–12/68.
Objectives: To train enlisted personnel to maintain and calibrate the M37-T1 aircraft engine.
Instruction: Lectures and practical exercises in the maintenance and calibration of the M37-T1 aircraft engine. Course includes adjustment, troubleshooting, and periodic inspection of the M37-T1 aircraft engine test stand.
Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1704-0177

MISSILE HYDRAULIC REPAIRMAN/TECHNICIAN (SM-68)

Course Number: ATS42152-30.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 8 weeks (240 hours).
Exhibit Dates: 1/61–12/68.
Objectives: To train enlisted personnel to repair SM-68 missile hydraulic systems.
Instruction: Lectures and practical exercises in missile hydraulic systems, including familiarization with a specific weapon system; operation, inspection, and mainte-

nance of missile, portal, and auxiliary hydraulic system; missile launcher system and antenna-protecting and -elevating set; launcher electrical systems; launcher system troubleshooting and maintenance; APES systems; and hydraulic power pack.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0178

MECHANICAL ACCESSORIES AND EQUIPMENT REPAIRMAN, B-52

Course Number: ATS42251-5, SS42251-5.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 3 weeks (90 hours).

Exhibit Dates: 7/58-12/68.

Objectives: To train key maintenance and instruction personnel in field maintenance for B-52G aircraft.

Instruction: Practical experience in B-52G aircraft familiarization, air-conditioning and anti-icing systems maintenance.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0179

WEAPONS MAINTENANCE TECHNICIAN FB-111

Course Number: 3AZR46270-2.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 3 weeks (90 hours).

Exhibit Dates: 1/70-12/73.

Objectives: To train airmen as weapons mechanics for conventional and nuclear weapons systems.

Instruction: Lectures and practical exercises in maintenance on conventional and nuclear weapons systems to include safety and security, test equipment, system checkout and schematics, weapons release systems, weapons bay door systems, handling equipment, and loading procedures.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (7/74).

AF-1704-0180

F-4 AIRCREW LIFE SUPPORT SPECIALIST
(F-4 Protective Equipment Specialist)
(F-4 Protective Equipment Technician)

Course Number: 3AZR92250.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 2-3 weeks (72 hours).

Exhibit Dates: 8/72-12/73.

Objectives: To train airmen as aircraft life support specialists.

Instruction: Lectures and practical exercises in the operation and use of the Martin-Baker ejection seat; survival seat kit assembly; oxygen components; parachute harness; hook-up of crew members to seat kit; lowering devices; and safety.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1704-0182

AIRCREW LIFE SUPPORT SPECIALIST
(Protective Equipment Specialist)
(Personal Equipment Specialist)
(Personal Equipment Specialist (General))
(Survival Training and Personal Equipment Specialist)

Course Number: 3ABR92230; ABR92230; ABR92230A; AB92230.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL.

Length: 8-15 weeks (240-768 hours).

Exhibit Dates: 8/54-12/73.

Objectives: To provide airmen with the training required to become aircrew life support specialists.

Instruction: Lectures and practical exercises in safety and communications, to include pyrotechnic devices, anti-G suits, emergency electronic communication signaling equipment, medical kits, personal parachutes and torso harnesses, one-man life rafts, maintenance of survival kits, life preservers, oxygen systems, protective helmets, pressure suits, and anti-exposure equipment.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (7/74).

AF-1704-0183

PERSONAL AND SURVIVAL EQUIPMENT TRAINING (ENLISTED)
(Personal Equipment and Survival Training (Enlisted))

Course Number: AZR92250; ATS92250-4; SS92250-4.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 4 weeks (120 hours).

Exhibit Dates: 7/58-12/68.

Objectives: To train Air Force enlisted personnel in the operation, use, inspection, and maintenance of personal survival and emergency equipment.

Instruction: Lectures and practical exercises in the maintenance and use of life preservers, life rafts, anti-exposure suits, protective helmets, oxygen equipment, parachutes, and radio equipment and training in first aid and methods of instruction.

Credit Recommendation: Credit is not recommended because of the specialized nature of the course (12/68).

AF-1704-0185

NAVIGATOR BOMBARDIER (ASQ-48)
(Navigator Bombardier (AN/ASQ-48))

Course Number: B-V7A-R; 152106D.

Location: Air Training Command, Mather AFB, CA.

Length: 10-28 weeks (156-708 hours).

Exhibit Dates: 7/65-Present.

Objectives: To provide instruction for navigators in the duties and responsibilities of a navigator/bombardier on aircraft equipped with the AN/ASQ-48 weapons control system.

Instruction: Lectures and classroom discussions on weapons delivery; AN/ASQ-48 computers; offensive systems; operations and radar; and simulator training involving mission planning, operating procedures, malfunction analysis, and check mission makeup.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1709-0001

1. PRECISION PHOTOPROCESSING TECHNICIAN
2. PRECISION PHOTOGRAPHIC PROCESSING TECHNICIAN
(Precision Photographic Processing Control)
(Precision Photographic Processing Control Technician)

Course Number: *Version 1:* 3AAR23470. *Version 2:* AAR23470; OZR2335; OZR2334; AAR23271.

Location: Lowry Technical Training Center, Lowry AFB, CO.

Length: 13 weeks (390-402 hours).

Exhibit Dates: *Version 1:* 6/68-12/73. *Version 2:* 7/62-5/68.

Objectives: To train enlisted personnel in precision photographic processing.

Instruction: Lectures and practical experience in statistics, photographic image evaluation, laboratory management, and the chemistry, kinetics, and mechanics of the photographic process.

Credit Recommendation: *Version 1:* See explanatory note at the beginning of the Air Force section. *Version 2:* In the upper-division baccalaureate category, 3 semester hours in precision photographic processing laboratory (12/68).

AF-1709-0002

COMBAT STILL PHOTOGRAPHER, OPERATOR

Course Number: 2ASR23651-003.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 13 weeks (480 hours).

Exhibit Dates: 8/68-12/73.

Objectives: To train military personnel in the photographic skills necessary for handling a variety of cameras and photographic situations.

Instruction: Lectures and practical experience in the fundamentals of photography, photographic exposures, laboratory processing and printing, aerial film processing, and production processing and printing; journalistic applications to photography; and optics, light, color, filters, chemistry, and light techniques.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in photography (12/73).

AF-1709-0003

PHOTOGRAPHIC INTERPRETATION

Course Number: 3AZR20650-2.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 8 weeks (228 hours).

Exhibit Dates: 12/68-12/73.

Objectives: To train airmen in basic photographic interpretation.

Instruction: Lectures and practical experience in the fundamentals of photographic interpretation, the use of maps and charts, tactical photographic interpretation, and the identification of weapon systems, industries, and other items of interest to the military.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1709-0004

STILL PHOTOJOURNALISM
(Still Photo Journalism)

Course Number: 3AZR23651.

Location: Lowry Technical Training Center, Lowry AFB, CO.

Length: 6 weeks (180 hours).

Exhibit Dates: 7/72-12/73.

Objectives: To train enlisted personnel to work as still photojournalists with information offices.

Instruction: Lectures and practical experiences in the journalistic process, including information acquisition techniques, elements of style, human relations, and legal and ethical aspects; camera and processing systems, including camera function, processing, composition, and practical exercises; a job-oriented workshop including picture story, personality feature, small groups, spot news, sports, and a final project.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in photojournalism (12/73).

AF-1709-0005

AERIAL PHOTOGRAPHER

Course Number: AB23130.

Location: 3415th Technical Training Group, Lowry AFB, CO.

Length: *Version 1:* 19 weeks (570 hours). *Version 2:* 29 weeks (432 hours).

Exhibit Dates: *Version 1:* 12/54–12/68. *Version 2:* 3/54–11/54.

Objectives: To train enlisted personnel to install, inspect, and operate aircraft cameras and related equipment.

Instruction: Lectures and practical experiences in principles of electricity, AC and vacuum tubes, and circuits; oscilloscope; mechanics; fundamentals of photography; aerial photography; maintenance; reconnaissance photography; oblique photography, and color photography.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in aerial photography (12/68). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in aerial photography, 2 in electricity and electronics (12/68).

AF-1709-0006

PRECISION PHOTOGRAPHIC SERVICES OFFICER

Course Number: *Version 1:* 3OBR2331. *Version 2:* OBR2331.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 18 weeks (540 hours). *Version 2:* 21 weeks (630 hours).

Exhibit Dates: *Version 1:* 5/68–12/73. *Version 2:* 5/67–4/68.

Objectives: To train officers to supervise precision photographic services laboratories.

Instruction: Lectures and practical experience in statistics, photographic chemistry, laboratory functions, image reproduction and evaluation, precision photographic processing, and management of photographic installations.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in graphic arts (12/73). *Version 2:* In the upper-division baccalaureate category, 5 semester hours in precision photographic processing laboratory, and credit in elementary statistics on the basis of institutional evaluation (12/68).

AF-1709-0007

SENSITOMETRIC AND DENSITOMETRIC CONTROL TECHNIQUES

Course Number: AZR23270-8.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 3 weeks (102 hours).

Exhibit Dates: 10/63–12/68.

Objectives: To provide airmen, officers, and civilians with knowledge of sensitometric and densitometric control techniques as applied to the photographic process.

Instruction: Fundamentals of sensitometry and densitometry; logarithms as applied to the photographic process; construction and analysis of D log E curves; processing of test strips to ASA standards; chemical mixing and ASA processing standards; construction and use of time-gamma, time-log i, and time-temperature charts.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1709-0008

SENSITOMETRIC AND DENSITOMETRIC EQUIPMENT OPERATOR

Course Number: SS23250-8.

Location: Department of Photographic Training, Lowry AFB, CO.

Length: 5 weeks (122 hours).

Exhibit Dates: 2/58–12/68.

Objectives: To provide the student with a working knowledge of the operation and use of densitometric and sensitometric equipment in precision machine processing.

Instruction: Introduction to sensitometric control; methods and measures of exposure; logarithmic exposure progression; design and use of sensitometric charts; chemical mixing and ASA processing standards; control strip hand processing; construction and use of time-gamma charts; operation of continuous processor; computation of film speed and machine speed.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1709-0009

COLOR PHOTO PROCESSES

Course Number: AZR23374; AZR23270.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 8–9 weeks (240–270 hours).

Exhibit Dates: 1/62–Present.

Objectives: To train enlisted personnel in the technical skills required to produce color prints, slides, and other photovisuals.

Instruction: Lectures and practical experience in the principles of color photography, and in the principles and use of color photographic materials, exposure and processing of reversal and negative color films, the use of Panalure for black and white, and color copy, color printing, and quality control.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1709-0010

1. STILL PHOTOGRAPHER
   (Photographer)
2. STILL PHOTOGRAPHER

Course Number: *Version 1:* ABR23230. *Version 2:* AB23230; ABR23230.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 18 weeks (510 hours). *Version 2:* 14 weeks (390 hours).

Exhibit Dates: *Version 1:* 4/61–12/68. *Version 2:* 3/58–3/61.

Objectives: To train personnel to perform as photographers.

Instruction: Lectures and practical experiences in the operation and care of cameras and laboratory equipment, and in exposing and processing black and white and color film.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 4 semester hours in photographic processing laboratory (12/68). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in photographic processing laboratory (12/68).

AF-1709-0011

FILM CUTTING SPECIALIST
(Sound and Picture Editing Specialist)

Course Number: AB23331.

Location: 3415th Technical Training Group, Lowry AFB, CO.

Length: 8 weeks (240 hours).

Exhibit Dates: 3/55–12/68.

Objectives: To provide trainees with the knowledge and skills necessary for editing silent and sound motion picture film.

Instruction: Fundamental editing procedures, including operation of 16mm projectors, splicing motion picture film, operation of the silent viewer (moviola), assembly of a motion picture work-print, the principles and techniques of matching action, matching original negatives, and establishing and re-establishing techniques; elementary editing techniques, including cut-ins and cutaways, build-up and continuity, special effects, splicing 35mm film, use of 35mm viewer, editing 35mm film; editing techniques for sound film, including introduction to single and double system sound and the use of sound viewers, editing single and double system sound, matching sound and picture negative to work prints; advanced editing techniques, including music and sound effects, introduction to lip synchronization, and preparation of a complete motion picture film.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in film (12/73).

AF-1709-0012

AUDIO-VISUAL FUNDAMENTALS

Course Number: 3AQR23020.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 6 weeks (150 hours).

Exhibit Dates: 5/68–12/73.

Objectives: To train enlisted personnel in the fundamentals of photography, including black and white film processing and printing.

Instruction: Lectures and practical experience in elementary photographic theory, 4X5 camera operation, film processing, composition, printing, quality control, and optics, light, and filters.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1709-0013

PHOTOGRAMMETRIC-CARTOGRAPHIC TECHNICIAN
(Advanced Photogrammetric Cartographic)

Course Number: AAX22170.

Location: Aeronautical Chart and Information Center, St. Louis, MO.

Length: 9 weeks (301 hours).

Exhibit Dates: 7/64–12/68.

Objectives: To train enlisted personnel in cartographic techniques applied to photographic and physiographic techniques.

Instruction: Lectures and practical exercises in photogrammetric mathematics, projection, photogrammetric equipment and related functions, regional physiography, grids, geodesy, target material reliability determination and reconnaissance systems, and cameras.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in photogrammetry (12/68).

AF-1709-0014

Imagery Interpretation

Course Number: 3AZR20650-1.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 12 weeks (360 hours).

Exhibit Dates: 1/69-12/73.

Objectives: To train Marines in basic photographic interpretation techniques.

Instruction: Lectures and practical exercises in basic photographic interpretation, including introduction to intelligence, fundamentals of photo and imagery interpretation, photogrammetry, tactical photo interpretation, operational weapons systems, industries, strategic interpretation, multisensor theory and interpretation, and practical exercises.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in photographic interpretation (7/74).

AF-1709-0015

Imagery Interpreter Specialist

Course Number: 3ABR20630.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 15 weeks (450 hours).

Exhibit Dates: 7/70-12/73.

Objectives: To train airmen as imagery interpretation specialists.

Instruction: Lectures and practical exercises in imagery interpretation, including automatic data processing and basic coordinate systems as applied to intelligence, fundamentals of intelligence and air target materials program, photogrammetry, image interpretation fundamentals, tactical and strategic interpretation, basic radar, multisensor interpretation, intelligence data handling systems, mission planning and bombing, and multisensor reporting and radar prediction.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in photographic interpretation, 1 in photogrammetry (7/74).

AF-1709-0016

Navy Specialized Imagery Interpretation

Course Number: 3OZR8041-2.

Location: School of Applied Aerospace Sciences, Lowry AFB, CO; 3415th Technical School, Lowry AFB, CO.

Length: 6-7 weeks (162-210 hours).

Exhibit Dates: 1/71-12/73.

Objectives: To train personnel as imagery interpretation officers.

Instruction: Lectures and practical exercises in Navy specialized imagery interpretation, including vertical and nonvertical photogrammetry, radar operational intelligence, multisensor intelligence, and imagery interpretation (military support subjects).

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in photo interpretation (7/74).

AF-1709-0017

Intelligence Photo-Radar Officer

Course Number: OTS8041-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 10 weeks (300 hours).

Exhibit Dates: 1/62-12/68.

Objectives: To train personnel in the fundamentals of photographic interpretation.

Instruction: Lectures and practical exercises in the fundamentals of photographic interpretation, including introduction to photo intelligence, photo metrics, aerospace weapons systems, surface transportation and reporting, and advanced aerospace photo intelligence.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in photographic interpretation (12/68).

AF-1709-0018

Still Photographic Laboratory Specialist

Course Number: 3ABR23334.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 16-20 weeks (480-570 hours).

Exhibit Dates: 5/68-12/73.

Objectives: To train enlisted personnel to perform as photographic laboratory technicians.

Instruction: Lectures and practical exercises in basic photographic laboratory techniques. Course includes film processing and printing; photocopying; chemistry and quality control; photo laboratory equipment; color slides and color printing; and the use of duplicating equipment.

Credit Recommendation: In the upper-division baccalaureate category, 5 semester hours in still photography (7/74).

AF-1709-0019

Precision Photographic Systems Technician

Course Number: 3AAR40470.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 18 weeks (540 hours).

Exhibit Dates: 7/68-12/73.

Objectives: To train enlisted personnel to maintain and control a field precision photographic laboratory.

Instruction: Lectures and practical exercises in the overall maintenance and quality control of a field precision photographic laboratory. Course includes schematic and data flow logic of precision photographic systems; analog electronic printer systems; digital electronic printer systems; imagery and display systems; precision processing and quality control systems; professional still and motion-picture camera systems; and management concepts of precision photographic maintenance.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1709-0020

Still Photographic Camera Specialist

Course Number: 3ABR23631.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 17-18 weeks (460-540 hours).

Exhibit Dates: 6/68-12/73.

Objectives: To train enlisted personnel as still photographers.

Instruction: Lectures and practical exercises in camera operation, film processing, and printing, including lighting, color negative and slide photography, and the study of photojournalism (including pictorial composition, layouts, and photo stories).

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in photojournalism on the basis of institutional evaluation (7/74).

AF-1709-0021

Intelligence Photo-Radar Officer

Course Number: OBR8041; OBR2041; OB2041; OB2041-1.

Location: *Version 1:* 3750th Technical School, Sheppard AFB, TX. *Version 2:* 3415th Technical School, Lowry AFB, CO.

Length: 31 weeks (930 hours).

Exhibit Dates: 6/54-12/68.

Objectives: To train officers in direct and indirect aerospace photographic intelligence.

Instruction: *All Versions:* Lectures and practical exercises in interpretation, analysis, and evaluation of data from direct and indirect aerospace photographs, including photometrics, terrain analysis and land warfare; aerospace weapons systems, surface transporation, basic industries, fabrication and chemical industries and bomb damage interpretations, weapons employment planning; fundamentals of radar, radar reconnaissance, target prediction and simulation; and mission planning. *Version 1:* Includes photographic intelligence reporting. *Version 2:* Includes fundamentals of navigation and area radar prediction analysis.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in photographic interpretation (12/68).

AF-1709-0022

1. Precision Photoprocessing Specialist
2. Precision Photoprocessing Specialist
(Precision Photographic Processing Specialist)

Course Number: *All Versions:* 3ABR23430. *Version 2:* ABR23430.

Location: *Version 1:* School of Applied Aerospace Sciences, Lowry AFB, CO. *Version 2:* 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 20 weeks (537-600 hours). *Version 2:* 23-25 weeks (660 hours).

Exhibit Dates: *Version 1:* 1/71-12/73. *Version 2:* 9/65-12/70.

Objectives: To train enlisted personnel to be photographic processing specialists.

Instruction: *All Versions:* Lectures and practical exercises in basic chemistry and photographic chemistry, optics and light concepts, advanced contact printing, continuous-film processors, chemical process control, sensitometry and sensitometric curve analysis, densitometers, basic statistical methods, chemical analysis and solution certification and correction, exposure effects and photosensitive material structure, aerial film handling, printer systems and control, and color processes. *Version 1:* Instruction emphasizes photographic chemistry. *Version 2:* Instruction emphasizes statistical methods, color processes, and clean-room technology.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 4 semester hours in precision photographic processing, and credit in elementary statistics on the basis of institutional evaluation (7/74). *Version 2:* In the upper-division baccalaureate category, 5 semester hours in precision photographic processing, and credit in elementary statistics on the basis of institutional evaluation (12/68).

AF-1709-0023

Precision Photoprocessing Specialist
(Precision Photographic Processing Specialist)

Course Number: 3ALR23430-1; ALR23430-1; ALR23231.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 9-11 weeks (270-330 hours).

Exhibit Dates: 7/62-12/73.

Objectives: To train enlisted personnel in precision photographic processing.

Instruction: Lectures and practical exercises in precision photographic processing, including logarithms, slide rule, sensitometry and densitometry, curve construction and evaluation, basic photographic chemistry, cleanroom principles, printers and Versamat operation, film cleaning and titling, photographic imagery evaluation, and multiduplication.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in precision photographic processing, and credit in elementary statistics on the basis of institutional evaluation (12/68).

AF-1709-0024

Precision Photographic Processing Techniques

Course Number: OZR2331.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 9 weeks (270 hours).

Exhibit Dates: 9/63-12/68.

Objectives: To train officers in photographic processing techniques.

Instruction: Lectures and practical exercises in photographic processing techniques, including sensitometric control principles and procedures, photographic chemistry principles, statistical and mathematical functions, precision equipment and evaluation procedures, and precision control techniques.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in precision photographic processing, and credit in elementary statistics on the basis of institutional evaluation (12/68).

AF-1709-0025

Motion Picture Laboratory Specialist

Course Number: 3ABR23332.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 11-14 weeks (330-420 hours). *Version 2:* 17 weeks (480 hours).

Exhibit Dates: *Version 1:* 6/70-12/73. *Version 2:* 2/69-5/70.

Objectives: To provide training in basic motion picture laboratory fundamentals.

Instruction: *Version 1:* Lectures and practical exercises in basic motion-picture photography, sensitometry and densitometry, motion picture printing and processing, quality control and production techniques, and motion picture fundamentals. *Version 2:* Covers the same subjects as Version 1 in greater depth.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in motion picture photography (7/74). *Version 2:* In the upper-division baccalaureate category, 4 semester hours in motion picture photography (7/74).

AF-1709-0026

Still Photographic Officer

Course Number: OB2331.

Location: Air Training Command, Lowry AFB, CO.

Length: 15 weeks (450 hours).

Exhibit Dates: 10/54-12/56.

Objectives: To teach the duties of a unit photographic and laboratory commander and to qualify students to supervise activities of aerial photographers and laboratory technicians.

Instruction: Course includes training in elementary principles of photography, photographic copying, 4x5 camera operation, projection printing, laboratory procedures for aerial photography and field operations, basic aerial photography, advanced aerial photography, charting and mapping, and technical administration.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in photographic processing laboratory (12/68).

AF-1710-0001

Plumbing System Maintenance (LGM-25)
(Plumber/Plumbing Supervisor (SM-68B))

Course Number: AZR55255Y; ATC56450-2; ATS56450-2.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 4-6 weeks (108-150 hours).

Exhibit Dates: 3/62-12/68.

Objectives: To train airmen to perform as plumbing specialists and supervisors in SM-68B missile facilities.

Instruction: Lectures and practical exercises in plumbing operations in SM-68B missile facilities, including weapon system familiarization, maintenance management, corrosion control; configuration operation, and maintenance of water supply equipment and water storage, domestic water, industrial water, and fire water systems; configuration and maintenance of the contaminated waste, sanitary waste, and drainage systems; water requirements and testing; and water pumping operations.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in environmental or nuclear plant technology (5/74).

AF-1710-0002

1. Plumbing Specialist
(Plumber)
2. Plumber

Course Number: *Version 1:* 3ABR55235; ABR55235; ABR56430Z; ABR56430. *Version 2:* AB56430.

Location: *Version 1:* School of Applied Aerospace Sciences, Sheppard AFB, TX; 3750th Technical School, Sheppard AFB, TX. *Version 2:* 3450th Technical School, Warren AFB, WY.

Length: *Version 1:* 9-15 weeks (270-360 hours). *Version 2:* 10-15 weeks (300 hours).

Exhibit Dates: *Version 1:* 11/60-12/73. *Version 2:* 8/55-10/60.

Objectives: To train basic airmen to perform as apprentice plumbers.

Instruction: Lectures and practical exercises in the maintenance, installation, and repair of plumbing systems and equipment, including operation principles and configuration; construction maintenance and repair of main and building water supplies; vent and waste systems; various fixtures, faucets, and valves; use and maintenance of tools and supplies; and piping connections to hot water and steam heating equipment.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in plumbing or water sanitation technology (5/74).

AF-1710-0003

Plumber/Plumbing Supervisor (SM-65F)

Course Number: ATS56450-3.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 6 weeks (180 hours).

Exhibit Dates: 10/61-12/68.

Objectives: To train enlisted personnel to inspect, service, repair, and replace plumbing equipment of SM-65F missile installations.

Instruction: Lectures and practical exercises in the inspection, servicing, repair, and replacement of plumbing equipment of SM-65F missile installations, including components of the water storage and distribution system, water system well pumps and storage tanks, valves and controls, hydropneumatic booster system, hot and chilled water system maintenance, water treatment, sewage system components and pumps, air systems and associated systems operation.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1710-0005

Fuel Specialist (Unconventional Fuels)

Course Number: ABR64330B.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 13 weeks (360 hours).

Exhibit Dates: 3/59-12/68.

Objectives: To train enlisted personnel to perform as apprentice fuel supply specialists.

Instruction: Lectures and practical exercises in the functions of fuel specialists (unconventional fuels), including hand tools and hardware, electrical principles, physical and chemical characteristics of unconventional fuels, physical and chemical characteristics of oxidants, coupling and uncoupling tractor and trailer, semitrailer driving, operation of transfer and storage equipment for unconventional fuels, quality control, and servicing with portable and static servicing equipment at blow-down stands.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1710-0006

Pavements Maintenance Specialist

Course Number: *Version 1:* 3ABR55130. *Version 2:* ABR55130.

Location: *Version 1:* School of Applied Aerospace Sciences, Sheppard AFB, TX. *All Versions:* 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 7 weeks (210-280 hours). *Version 2:* 6 weeks (150 hours).

Exhibit Dates. *Version 1:* 11/71-12/73. *Version 2:* 10/65-10/71.

Objectives: To train airmen as pavement maintenance specialists.

Instruction: *All Versions:* Lectures and practical exercises in duties of pavement maintenance specialists, including specifications and blueprints, construction equipment, grade stake reading, soil mechanics, base course and drainage, railraod trackage maintenance, concrete mixtures, pavement construction, rigid-pavement maintenance, bituminous mixtures, prefabricated surface mats, and flexible-pavement maintenance. *Version 1:* Includes management, agricultural soil testing, erosion control, aircraft shelters, vegetation control, herbicide dispersal equipment, snow and ice removal, use of explosives and soil chemicals, and bomb damage repair. *Version 2:* Includes revetment construction.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1710-0007

Pavements Maintenance Specialist

Course Number: *Version 1:* 3AZR55150. *Version 2:* 3AZR55150; AZR55150.

Location: *Version 1:* School of Applied Aerospace Sciences, Sheppard AFB, TX. *Version 2:* 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 3 weeks (120 hours). *Version 2 :* 3 weeks (90 hours).

Exhibit Dates: *Version 1:* 8/73-12/73. *Version 2:* 7/67-7/73.

Objectives: To train personnel to perform as pavement maintenance specialists.

Instruction: Lectures and practical exercises in the duties of pavement maintenance specialists, including publications, soil mechanics, base course construction, drainage, concrete mixtures, bituminous mixtures, herbicides, rigid and flexible pavement construction and maintenance, and preparation of subgrade for rigid and flexible pavements.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in construction of pavements (5/74).

AF-1710-0008

Construction Equipment Operator

Course Number: 3ABR55131.

Location: *Version 1:* School of Applied Aerospace Sciences, Sheppard AFB, TX. *Version 2:* 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 11 weeks (440 hours). *Version 2 :* 11 weeks (330 hours).

Exhibit Dates: *Version 1:* 6/73-12/73. *Version 2:* 5/71-5/73.

Objectives: To train airmen to perform as construction equipment operators.

Instruction: Lectures and practical exercises in construction equipment operation, including operation of trucks, front end loaders, fork lifts, dozers, scrapers, cranes, graders and specialized maintenance equipment.

Credit Recommendation: *Version 1:* See explanatory note at the beginning of the Air Force section. *Version 2:* See explanatory note at the beginning of the Air Force section.

AF-1710-0009

Carpentry Specialist

Course Number: 3ABR55230.

Location: School of Applied Aerospace Sciences, Sheppard AFB, TX; 3750th Technical School, Sheppard AFB, TX.

Length: 8 weeks (240-320 hours).

Exhibit Dates: 11/70-12/73.

Objectives: To train airmen to perform as carpentry specialists.

Instruction: Lectures and practical exercises in carpentry, including use and maintenance of hand and power tools, structured framework, interior and exterior walls, formwork for concrete, glass handling, roofing and sheathing procedures, interior finishing, maintenance of wood structures, and erection of prefabricated buildings.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1710-0010

General Maintenance
(Building Maintenance Mechanic)

Course Number: ALR55530; ALR55232.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 6 weeks (180 hours).

Exhibit Dates: 1/62-12/68.

Objectives: To train personnel as mechanics in building maintenance, repair, and general upkeep.

Instruction: Lectures and practical exercises in the general maintenance and repair of buildings, including repair of plumbing systems and concrete and masonry; electrical maintenance; fundamentals of electricity; appliance repair and electrical circuit troubleshooting; and construction features and maintenance of building appliances, controls, and heating units.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1710-0011

Corrosion Control Specialist

Course Number: 3ABR53530; ABR53530.

Location: School of Applied Aerospace Sciences, Sheppard AFB, TX; 3750th Technical School, Sheppard AFB, TX.

Length: 6-8 weeks (210-280 hours).

Exhibit Dates: 6/65-12/73.

Objectives: To train enlisted personnel to perform as apprentice corrosion control specialists.

Instruction: Lectures and practical exercises in corrosion control, including causes and characteristics of corrosion; identification of metals and corrosion products; preparation, application, and maintenance of coatings; corrosion removal by chemical and mechanical methods; corrosion inspection techniques, including application of nondestructive inspection equipment, and corrosion documentation.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1710-0012

Corrosion Control

Course Number: ALR53530-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 7 weeks (210 hours).

Exhibit Dates: 2/65-12/68.

Objectives: To train enlisted personnel in corrosion control.

Instruction: Lectures and practical exercises in causes and characteristics of corrosion; identification of metals and corrosion products; passivation of metal surfaces for corrosion prevention; prepaaration, application, aa, nd maintenance of coatings; corrosion removal by chemical and mechanical methods; corrosion inspection techniques, including application of nondestructive inspection equipment; corrosion documentation; protective exercises involving corrosion detection and removal; and corrosion prevention by surface preparation and coating application.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1710-0013

Protective Coating Specialist

Course Number: 3ABR55234; ABR55234.

Location: School of Applied Aerospace Sciences, Sheppard AFB, TX; 3750th Technical School, Sheppard AFB, TX.

Length: 7-8 weeks (210-224 hours).

Exhibit Dates: 4/66-12/73.

Objectives: To train airmen to perform as protective-coating specialists at the apprentice level.

Instruction: Lectures and practical exercises in protective-coating principles and procedures, including corrosion control and protection of metal surfaces; preparation and application of coatings to wood, masonry, concrete, and gypsum board surfaces; cleaning procedures; conditioning and air spraying; and marking and camouflaging of vehicles, roads, and buildings.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1710-0014

Masonry Specialist

Course Number: 3ABR55233.

Location: *Version 1:* School of Applied Aerospace Sciences, Sheppard AFB, TX. *Version 2:* 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 8 weeks (320 hours). *Version 2 :* 8 weeks (240 hours).

Exhibit Dates: *Version 1:* 7/73-12/73. *Version 2:* 12/70-6/73.

Objectives: To train airmen to perform as apprentice masonry specialists.

Instruction: Lectures and practical exercises in masonry, including use of various masonry tools, preparation of steel reinforcement for concrete columns, building forms for concrete, mixing and pouring concrete, cutting masonry, preparation of concrete blocks, construction of stone and brick walls, application of plaster and stucco, installation of wall and floor tile, and maintenance and repair of the variety of masonry constructions.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.*Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1710-0015

Woodworker

Course Number: AB55230.

Location: 3450th Technical School, Warren AFB, WY.

Length: 13 weeks (390 hours).

Exhibit Dates: 10/54-12/68.

Objectives: To train airmen to identify, use, and maintain hand and power woodworking tools at the apprentice level.

Instruction: Lectures and practical exercises in the identification, use, and maintenance of hand and power woodworking tools, including drawing interpretation; materials preparation; joining and fastening; construction, modification, and repair of buildings; assembly of prefabricated structures; construction of aircraft parts; mockup and model building; repair and construction of woodwork and interior furnishings; construction of packing and shipping containers; and maintenance and repair of building hardware.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1710-0016

Welding of A-286 Alloy Material (J-79 Engine)

Course Number: ATS53250-4.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 3 weeks (90 hours).

Exhibit Dates: 8/59-12/68.

Objectives: To train enlisted personnel to weld alloy material on a specific engine, and to set up and use inert-gas shielded and metallic arc welding equipment.

Instruction: Lectures and practical exercises on welding alloy material; use of chromoloy welding equipment and materials; heat treatment; and inert-gas shielded and metallic arc welding certification tests.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (5/74).

AF-1710-0017

Special Vehicle Mechanic

Course Number: AL47132.

Location: 3450th Technical School, Warren AFB, WY.

Length: 15 weeks (450 hours).

Exhibit Dates: 8/54–12/68.

Objectives: To train airmen to inspect, maintain, and repair aircraft refueling, fire-fighting, towing, and recovery equipment.

Instruction: Lectures and practical exercises in the inspection, maintenance and repair of aircraft refueling, fire-fighting, towing, and recovery equipment, including wrecking trucks, cranes, towing tractors, and crash and structural fire trucks.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1710-0018

Missile Technician, SM-80

Course Number: ATS44370G-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 7 weeks (210 hours).

Exhibit Dates: 6/62–12/68.

Objectives: To train enlisted personnel to operate and maintain nonelectronic components of SM-80 missile facilities.

Instruction: Lectures and practical exercises in the operation and maintenance of nonelectronic components of SM-80 missile facilities, including missile handling and maintenance vehicles; WS-133A missile familiarization; launch facility systems (electrical power, environmental control, fuel oil supply, sewage, air conditioning, antenna); and installation and troubleshooting procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1710-0019

Special Vehicle Repairman

Course Number: 3ABR47231; ABR47132; AB47132.

Location: *Version 1:* 3345th Technical School, Chanute AFB, IL. *Version 2:* 3450th Technical School, Warren AFB, WY.

Length: 23–28 weeks (660–750 hours).

Exhibit Dates: 4/55–12/73.

Objectives: To train airmen as special-vehicle repairmen.

Instruction: Lectures and practical exercises in special-vehicle repair, including troubleshooting and repair of recovery vehicles, refueling vehicles, fire-fighting vehicles, and aircraft towing vehicles; repair of special-vehicle components and assemblies (gasoline engines and associated components; vehicle lighting and warning electrical systems; power trains; steering mechanisms; braking systems; suspension systems; fire control systems; dispensing systems; heaters; hydraulic systems; refrigeration and air-conditioning systems; hoisting and swinging mechanisms; truck crane carrier assemblies; drawbars and dollies; generators and motors; and electrical control circuits); and familiarization training in the repair of diesel engines and associated components.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1710-0020

A/S32R-2 Refueler (Model 2116)
Intermediate/Organizational
(I/O) Maintenance

Course Number: 3AZR47251B.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL.

Length: 2 weeks (70 hours).

Exhibit Dates: 7/73–12/73.

Objectives: To provide personnel with knowledge and skills necessary to repair the A/S32R-2 refueler.

Instruction: Lectures and practical exercises to include principles, operation, inspection, repair, operational tests, troubleshooting, and readjustment of components and systems of the A/S32R-2 refueler.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (8/74).

AF-1712-0001

MB-2 Towing Tractor, Field and
Organizational Maintenance

Course Number: ATS47152-26.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 4 weeks (120 hours).

Exhibit Dates: 8/59–12/68.

Objectives: To train enlisted personnel to operate, remove, repair, replace, test, and troubleshoot the components and systems of MB-2 towing tractors.

Instruction: Lectures and practical exercises in the operation, removal, repair, replacement, testing, and troubleshooting of the components and systems of MB-2 towing tractors, including clutch and torque converter, hydraulic steering system; hubs, wheels, axles, and brakes; GMC injection system; diesel engine principles; power train, engine, and electrical systems; troubleshooting and timing of diesel engines; and valve refacing and reseating.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1712-0002

1. Electrical Power Production, Aleutian Dew Line
2. Electrical Power Production, Aleutian Dew Line
   (Power Production Specialist (Dew Line))

Course Number: *Version 1:* 2ASR54350-6. *Version 2:* ATS54350-6; ATS56751-8.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 3 weeks (90 hours). *Version 2:* 6 weeks (180 hours).

Exhibit Dates: *Version 1:* 8/68–12/73. *Version 2:* 5/61–7/68.

Objectives: To train personnel as electrical power production specialists in support of Aleutian DEW Line facilities.

Instruction: Lectures and practical exercises in the duties of power production specialists, including operating principles of specific engines; operation, alignment, and servicing of electric governors; inspection and servicing of fuel systems and centrifuge; operation, inspection, and servicing of generators, regulators, and switchgear components; vapor phase cooling system maintenance; engine lubricating system servicing and maintenance; and inspection and maintenance of engine intake, exhaust, and air starting systems.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1712-0003

Electrical Power Production
Repairman/Technician (SM-68)

Course Number: ATS56751-7.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 8 weeks (240 hours).

Exhibit Dates: 2/61–12/68.

Objectives: To train personnel to operate and maintain diesel-electric generators.

Instruction: Lectures and practical exercises in the operation and maintenance of diesel-electric generators. Course includes weapon system familiarization and engine maintenance; engine operation and maintenance of auxiliary equipment; electrical system principles and maintenance; and system operation and troubleshooting procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1712-0004

Electrical Power Production
Repairman

Course Number: ALR56731A.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 8 weeks (240 hours).

Exhibit Dates: 10/58–12/68.

Objectives: To train apprentice electrical power production operators as apprentice electrical power production repairmen.

Instruction: Lectures and practical exercises in the duties of apprentice electrical power production repairmen, including ground safety, radiation, technical publications, security, maintenance forms, product improvement, climatic conditioning, installation of power production equipment, maintenance of prime mover and exciter systems, maintenance of alternator and switch gear systems, and in the inspection, maintenance, operation, and servicing of specific power units.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1712-0005

1. Electrical Power Production Specialist
2. Electrical Power Production Specialist
3. Electrical Power Production Specialist
   (Electrical Power Production Operator)
4. Electrical Power Production Operator

Course Number: *Version 1:* 3ABR54330. *Version 2:* 3ABR54330; ABR54330. *Version 3:* ABR54330; ABR65730; ABR56730B. *Version 4:* AB56730.

Location: *Version 1:* 3750th Technical School, Sheppard AFB, TX. *Version 2:* 3750th Technical School, Sheppard AFB, TX. *Version 3:* 3750th Technical School, Sheppard AFB, TX. *Version 4:* 3450th Technical School, Warren AFB, WY.

Length: *Version 1:* 14-17 weeks (504-620 hours). *Version 2:* 18 weeks (510 hours). *Version 3:* 15-19 weeks (420-540 hours). *Version 4:* 8 weeks (240 hours).

Exhibit Dates: *Version 1:* 3/72-12/73. *Version 2:* 9/65-2/72. *Version 3:* 9/58-8/65. *Version 4:* 5/57-8/58.

Objectives: To train enlisted personnel in the operation, maintenance, and repair of engine-driven electrical generation systems.

Instruction: *All Versions:* Lectures and practical exercises in the operation, maintenance, and repair of engine-driven generation systems, including engines and systems, operation, troubleshooting, and maintenance. *Version 1:* Topics include publications and engine fundamentals; engine systems and associated equipment; fundamental engine repair; power generation and circuit characteristics; generation equipment, controls, and wiring diagrams; operation and maintenance of mobile generator sets; generator set operation and maintenance; and generator set operation and aircraft arresting barriers. *Version 2:* Topics include publications and engine fundamentals; engine systems and associated equipment; fundamental engine repair; power generation and circuit characteristics; generation equipment, controls, and wiring diagrams; operation and maintenance of mobile generator sets; generator set operation and maintenance; and generator set operation and aircraft arresting barriers. *Version 3:* Topics include power production fundamentals; generation equipment and circuits; engine systems components; fundamental engine repair; engine overhaul and performance tests; preventive maintenance and generator set operation; specific generator sets operation and troubleshooting; principles of diesel engines and systems; electrical fundamentals; generation and warning systems; single-unit operation; synchronizing, paralleling, and troubleshooting multiple power units; and operating, inspecting, and troubleshooting specific power units. *Version 4:* Topics include operation and maintenance of diesel engines; electrical fundamentals and single-unit operation including operator maintenance; parallel operation and troubleshooting; single and parallel operation including troubleshooting of a specific diesel generator power plant, and operation and maintenance of a specific model.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in electrical power systems maintenance on the basis of institutional evaluation (6/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in electrical power system maintenance (6/74). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in electrical power system maintenance on the basis of institutional evaluation (6/74). *Version 4:* In the upper-division baccalaureate category, 2 semester hours in electrical power system maintenance on the basis of institutional evaluation (6/74).

AF-1714-0001

Electric Power Line Specialist

Course Number: 3ABR54231.

Location: *Version 1:* School of Applied Aerospace Sciences, Sneppard AFB, TX. *All Versions:* 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 13-15 weeks (450-462 hours). *Version 2:* 16 weeks (450 hours).

Exhibit Dates: *Version 1:* 10/70-12/73. *Version 2:* 10/67-9/70.

Objectives: To train enlisted personnel in the installation and maintenance of high-voltage power distribution equipment.

Instruction: Lectures and practical exercises in safety procedures, electrical fundamentals, maintenance, overhead and underground distribution systems, and airfield lighting.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1714-0002

Channel and Technical Control Operator (Channel Technical Control Center)

(Channel and Technical Control Operator)

Course Number: ALR29335A; ALR29335.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 14 weeks (420 hours).

Exhibit Dates: 9/59-12/68.

Objectives: To train technicians to operate, adjust, align, and troubleshoot channel and technical control equipment.

Instruction: Lectures and practical exercises in basic electronic principles; radiotelegraph, radiotelephone, teletype and communications center procedures and operation; trouble analysis of multiplex equipment, patch panels, and remote systems; and simulated operations.

Credit Recommendation: In the upper-division baccalaureate category, credit in electricity/electrical laboratory on the basis of institutional evaluation (3/74).

AF-1714-0004

Weapons Fuzing Systems Specialist (Electrical)

Course Number: AB33130-B; AB33130-1.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 19 weeks (510-540 hours).

Exhibit Dates: 12/55-12/68.

Objectives: To train enlisted personnel to maintain and repair nuclear weapons fusing systems, components, and test equipment.

Instruction: Lectures and practical exercises in electronics fundamentals, including DC motors, generators, and meters; AC generation; inductive and capacitive reactance; series-parallel circuits; synchro systems; diode and triode tubes; rectifiers and filters; and transients in R-C networks.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in basic electricity, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1714-0005

Guidance Systems Analyst (TM-76A)

Course Number: ABR31430G-1.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 25 weeks (660 hours). *Version 2:* 19 weeks (540 hours).

Exhibit Dates: *Version 1:* 12/59-12/68. *Version 2:* 5/59-11/59.

Objectives: To train enlisted personnel to maintain and repair TM-76A guidance systems.

Instruction: Lectures and practical exercises in basic electricity; electronics; flight controls, command guidance, and basic missile checkers; check-out and alignment; and guidance systems test set theory.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in electricity and electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 2:* In the upper-division baccalaureate category, credit in electricity and electrical laboratory on the basis of institutional evaluation (3/74).

AF-1714-0006

Missile Electrical Specialist (SM-68A)

Course Number: ABR4[illegible]130E.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 10 weeks (300 hours).

Exhibit Dates: 2/62-12/68.

Objectives: To train enlisted personnel as missile electrical specialists on SM-68 missile electrical systems and associated checkout and test equipment.

Instruction: Lectures and practical exercises in Titan familiarization, and operation and maintenance of missile electrical systems and accessory supply system ground equipment.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1714-0007

1. Missile Facilities Specialist (LGM-25)
2. Missile Facilities Specialist (LGM-25)
3. Missile Facilities Specialist (LGM-25)

(Missile Facilities Specialist (SM-68B))

Course Number: *Version 1:* 3ABR54130. *Version 2:* ABR54130; 3ABR54130. *Version 3:* ABR54130F.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 17-18 weeks (510-540 hours). *Version 2:* 23-25 weeks (660-720 hours). *Version 3:* 14 weeks (420 hours).

Exhibit Dates: *Version 1:* 2/71-12/73. *Version 2:* 4/66-1/71. *Version 3:* 6/62-3/66.

Objectives: To train airmen to perform malfunction analysis and operator maintenance on the Titan II missile facilities electrical power system.

Instruction: Lectures and practical experience in Titan II missile facilities electrical power system malfunction analysis and operator maintenance, including AC and DC circuits, magnetism, hydraulic and pneumatic systems, transformers, motors, and generating systems.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the upper-division baccalaureate category, credit in electricity or electrical laboratory on the basis of institutional evaluation (3/74). *Version 3:* In the upper-division baccalaureate category, credit in electricity or electrical laboratory on the basis of institutional evaluation (3/74).

AF-1714-0008

Missile Facilities Specialist, LGM-25

Course Number: ALR54130F.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 14 weeks (420 hours).

Exhibit Dates: 4/65-12/68.

Objectives: To train enlisted personnel to repair Titan missile electrical systems.

Instruction: Lectures and practical exercises in Titan missile maintenance and manpower documentation forms and records, publications, and hazard-monitoring and damage control procedures; Titan electrical power generation, including electrical generating systems and diesel engine and generator inspection, operation, maintenance, and troubleshooting procedures; and Titan power distribution, elevators, and propellant transfer systems operating procedures.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1714-0009

Electrician and Electrical Technician, WS-133A,B,A-M
(Electrician, WS-133A,B,A-M)
(Electrician, WS-133B)

Course Number: 3ALR54230G-1; ALR54230G-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 6-7 weeks (180-210 hours).

Exhibit Dates: 2/65-12/73.

Objectives: To familiarize enlisted personnel with the maintenance and distribution of weapons systems and ground equipment.

Instruction: Practical experience in support base electrical maintenance, safety and first aid, corrosion control, and multiamp relay test sets familiarization.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1714-0010

Missile Electrical Specialist (SM-65 E & F)

Course Number: ABR44130A.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 3 weeks (90 hours).

Exhibit Dates: 12/62-12/68.

Objectives: To train enlisted personnel to maintain and repair Atlas missile electrical systems.

Instruction: Lectures and practical exercises in operating principles of the missile inverter, battery and electrical system components, inspection and check-out of missile electrical systems, and completion of maintenance forms.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (3/74).

AF-1714-0011

Guided Missile Operations/Maintenance Officer (SM-68)

Course Number: OZR1821; OZR3121B-2.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 6 weeks (180 hours).

Exhibit Dates: 3/61-12/68.

Objectives: To train officers as missile operations or maintenance officers.

Instruction: Lectures and laboratories in systems and facilities; missile systems maintenance and inspections; and launch procedures and console operation.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1714-0012

Electrician

Course Number: 3ABR54230-1; ABR54230; AB56130.

Location: *Version 1:* School of Applied Aerospace Sciences, Sheppard AFB, TX. *Version 2:* 3750th Technical School, Sheppard AFB, TX. *Version 3:* 3450th Technical School, Warren AFB, WY.

Length: 9-14 weeks (270-390 hours).

Exhibit Dates: 7/55-12/73.

Objectives: To train enlisted personnel to be electricians.

Instruction: Lectures and practical exercises in electrical fundamentals, including Ohm's law, resistors, series and parallel circuits, transformers, motors, and fire alarms; and extensive training in use of tools and electrical equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1714-0013

1. Electrical Standards Console and Low Frequency Voltage and Phase Standards
2. Electrical Standards Console

Course Number: *Version 1:* 3AZR32470-10. *Version 2:* AZR32470-3.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 6 weeks (180 hours). *Version 2:* 3-4 weeks (90-120 hours).

Exhibit Dates: *Version 1:* 5/70-12/73. *Version 2:* 5/63-4/70.

Objectives: To train enlisted personnel to use and calibrate precision measuring equipment.

Instruction: Lectures and laboratories in theory of operation, maintenance, troubleshooting, and calibration of electrical standards consoles and low-frequency voltage and phase standards.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in circuits laboratory on the basis of institutional evaluation (3/74). *All Versions:* Credit is not recommended because of the limited specialized nature of the course (3/74).

AF-1714-0014

Electrician/Supervisor (Facility)

Course Number: ATS56150-5.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 13 weeks (390 hours).

Exhibit Dates: 4/61-12/68.

Objectives: To train airmen to perform as electricians or electrician supervisors of weapons systems.

Instruction: Lectures and practical exercises in the maintenance and operation of weapons systems, including DC and AC circuits, magnetism, transformers, motors, control circuits, power generation, distribution systems, transistor principles, surveillance, pressurization, and atmosphere and remote control.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1714-0015

1. Outside Wire and Antenna Maintenance Repairman
2. Outside Wire and Antenna Systems Installation and Maintenance Specialist
3. Outside Wire and Antenna Systems Installation and Maintenance Specialist
4. Outside Wire and Antenna Systems Installation and Maintenance
   (Cable and Antenna Installation Specialist)

Course Number: *Version 1:* 3ABR36130. *Version 2:* ABR36130; AB36130. *Version 3:* ABR36130; AB36130. *Version 4:* AB36130.

Location: *Version 1:* School of Applied Aerospace Sciences, Sheppard AFB, TX; 3750th Technical School, Sheppard AFB, TX. *Version 2:* 3750th Technical School, Sheppard AFB, TX. *Version 3:* 3450th Technical School, Warren AFB, WY. *Version 4:* 3450th Technical School, Warren AFB, WY.

Length: *Version 1:* 16-18 weeks (540-564 hours). *Version 2:* 14-15 weeks (420-450 hours). *Version 3:* 14-15 weeks (420-450 hours). *Version 4:* 13-14 weeks (360-420 hours).

Exhibit Dates: *Version 1:* 4/71-12/73. *Version 2:* 3/58-3/71. *Version 3:* 3/58-3/71. *Version 4:* 3/55-2/58.

Objectives: To train enlisted personnel to maintain and repair outside wire and antenna systems.

Instruction: Lectures and practical exercises in outside-plant construction fundamentals; interpretation of technical orders; aerial cable support construction; buried and underground cable characteristics and installation; antenna support and tower assembly and erection; and construction and installation of doubler-type, rhombic, and discone antennas.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in civil technology (communications), wireman, power system lineman, or antenna systems specialist (5/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in civil technology (communications), wireman, power system lineman, or antenna systems specialist (5/74). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in civil technology (communications), wireman, power system lineman, or antenna systems specialist. *Version 4:* In the upper-division baccalaureate category, 2 semester hours in civil technology (communications), wireman, power system lineman, or antenna systems specialist (5/74).

AF-1714-0016

1. Cable Splicing Specialist
   (Cable Splicing Specialist (General))
   (Cable Splicer)
2. Cable Splicer

Course Number: *All Versions:* ALR36131. *Version 1:* ABR36134; ABR36131B; ABR36131.

Location: *Version 1:* School of Applied Aerospace Sciences, Sheppard AFB, TX; 3750th Technical School, Sheppard AFB, TX. *Version 2:* 3450th Technical School, Warren AFB, WY.

Length: *Version 1:* 12-15 weeks (330-520 hours). *Version 2:* 11 weeks (330 hours).

Exhibit Dates: *Version 1:* 11/58-12/73. *Version 2:* 2/55-10/58.

Objectives: To train enlisted personnel as cable-splicing specialists.

Instruction: Lectures and practical exercises in construction fundamentals, pole climbing, conductor splicing lead and Stalpeth cable, lead sheath cable sealing, splicing and sealing plastic cable, underground splicing procedures, aerial cable testing and splicing procedures, cable pressure systems, troubleshooting cable systems, splicing and sealing various cables, and cable systems installation and repair.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1714-0017

Cable Splicing Specialist (General)
(Cable Splicing Specialist/Supervisor (General))

Course Number: 3AZR36154-1; AZR36154-1; AZR36151B-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 8 weeks (240 hours).

Exhibit Dates: 10/63–12/73.

Objectives: To train airmen to perform as cable splicing specialists/supervisors.

Instruction: Lectures and practical exercises in cable splicing, including sealing of large lead-sheathed cables, bending and racking of large underground cable, splicing and sealing of plastic-sheathed coaxial, video and control systems, cable pressure flow analysis, operation and maintenance of alarm systems, cable termination procedures, leak location, and resistance and unbalance testing.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1714-0018

Missile System Cable Splicing Specialist
(Cable Splicing Specialist (Hardened Missile Systems))

Course Number: 3ABR36133; ABR36131A-1; ABR36131A-2; ABR36133.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 6–8 weeks (180–210 hours).

Exhibit Dates: 6/63–12/73.

Objectives: To train airmen to perform as missile systems cable-splicing specialists.

Instruction: Lectures and practical exercises in missile systems cable splicing and repair, including cable-splicing fundamentals, installation and replacement of splice cases, cable section replacement, cable-testing procedures, cable pressure systems, and maintenance management.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1714-0019

Inside Plant, Installation

Course Number: AZR36250-6.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 4 weeks (120 hours). *Version 2:* 6 weeks (180 hours).

Exhibit Dates: *Version 1:* 3/63–12/68. *Version 2:* 6/62–2/63.

Objectives: To train civilian and enlisted personnel to install inside-plant equipment.

Instruction: Lectures and practical exercises in inside-plant equipment installation, including job specifications, bill of materials, standard layout marking, placement and securing of equipment, superstructure installation, cabling, coaxial cable jacks and plugs, conduit and duct installation, stenciling, and methods of securing, fanning, forming, butting, stripping, sewing forms, wiring, and connecting cable.

Credit Recommendation: *Version 1:* See explanatory note at the beginning of the Air Force section. *Version 2:* See explanatory note at the beginning of the Air Force section.

AF-1714-0020

Antenna Installation and Maintenance

Course Number: AZR36150-2.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 10 weeks (300 hours).

Exhibit Dates: 12/66–12/73.

Objectives: To train personnel to install and maintain antennas.

Instruction: Lectures and practical exercises on the installation and maintenance of antennas, including antenna installation fundamentals, practice pole climbing, care and use of wire and fiber rope, operation of high- or low-profile construction trucks, elementary surveying, antenna supports, erection of antenna support poles, tower assembly and hazard lighting, installation of delta match antenna (including transmission line), installation of coaxial cable transmission line, and principles and characteristics of antennas.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1714-0021

1. Outside Plant Installation and Maintenance
2. Outside Plant Installation

Course Number: *Version 1:* 3AZR36150-1. *Version 2:* AZR36150-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 13 weeks (390 hours). *Version 2:* 10 weeks (300 hours).

Exhibit Dates: *Version 1:* 4/71–12/73. *Version 2:* 6/62–3/71.

Objectives: To train enlisted personnel in cable and antenna fundamentals, antenna construction, and antenna systems inspection and maintenance.

Instruction: *All Versions:* Lectures and practical exercises in antenna fundamentals and construction, including first aid and safety; rope, knots, and splices; aerial and underground cable specifications; electricity principles; antenna installation; and coaxial cable transmission lines. *Version 1:* Instruction includes inspection and maintenance of antenna systems.

Credit Recommendation: *Version 1:* See explanatory note at the beginning of the Air Force section. *Version 2:* See explanatory note at the beginning of the Air Force section.

AF-1714-0022

Weapons Mechanic

Course Number: *Version 1:* ABR46230. *Version 2:* ABR46230. *Version 3:* AB46230.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 18–29 weeks (510–780 hours). *Version 2:* 33 weeks (900 hours). *Version 3:* 16–18 weeks (480–540 hours).

Exhibit Dates: *Version 1:* 6/60–12/68. *Version 2:* 10/59–5/60. *Version 3:* 7/54–9/59.

Objectives: To train personnel as weapons mechanics.

Instruction: *All Versions:* Lectures and practical exercises in the duties of weapons mechanics, including publications, specific automatic guns, field exercises, fighter systems, and bomber systems. *Version 1:* Topics include principles of AC and DC, air munitions, bomb-release system, nuclear weapons, malfunction laboratory, hand tools, machine guns, pneumatics and hydraulics, and associated armament equipment. *Version 2:* Topics include hand tools, machine guns, associated armament equipment, and nuclear weapons. *Version 3:* Topics include hand tools, fundamentals of electricity, launching systems on fighter-type and bombardment-type aircraft, hand and shoulder weapons, machine guns, and malfunction laboratory.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0001

1. Biomedical Equipment Maintenance Specialist
(Medical Equipment Repairman)
2. Medical Equipment Repairman
3. Medical Equipment Repairman
(Apprentice Medical Equipment Repairman)

Course Number: *Version 1:* 3ABR40330-2. *Version 2:* 3ABR40330-2. *Version 3:* ABR40330; AB40132.

Location: *Version 1:* School of Health Care Sciences, Sheppard AFB, TX; Sheppard Technical Training Center, Sheppard AFB, TX. *Version 2:* Sheppard Technical Training School, Sheppard AFB, TX. *Version 3:* Medical Service School, Gunter AFB, AL; School of Aviation Medicine, Gunter AFB, AL.

Length: *Version 1:* 36 weeks (1261–1284 hours). *Version 2:* 46 weeks (1360 hours). *Version 3:* 15–20 weeks (570–781 hours).

Exhibit Dates: *Version 1:* 6/71–12/73. *Version 2:* 9/69–5/71. *Version 3:* 6/57–8/69.

Objectives: To provide basic career training for biomedical maintenance personnel.

Instruction: Lectures on the principles of medical equipment systems; equipment inspection, installation, calibration, modification, troubleshooting, and repair; and administrative and managerial functions of medical maintenance and shop operation.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 30 semester hours in biomedical equipment technology, 3 in electronics (2/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in electricity (12/68). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in electricity (12/68).

AF-1715-0002

Flight Facilities Equipment Basic O/I Maintenance

Course Number: 2ASR30451-13.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 14 weeks (420 hours).

Exhibit Dates: 2/71–12/73.

Objectives: To train enlisted personnel in basic organizational and intermediate maintenance of flight facilities equipment.

Instruction: Lectures and practical exercises in electronic principles, special circuits, ground C-E maintenance management, technical publications, safety, and use of regular and specialized test equipment.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in flight facilities equipment basic O/I maintenance (3/74).

AF-1715-0003

LAUNCH ENABLE SYSTEM SPECIALIST, SM-68B

Course Number: ATS30551D-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 13 weeks (390 hours).

Exhibit Dates: 7/62-12/68.

Objectives: To train Air Force personnel as launch-enable system specialists.

Instruction: Lectures and practical experience in semiconductor physics, transistor circuits, logic gates, binary mathematics, algebra, special adders and parity circuits, and launch systems.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0004

F-111 FLIGHT CONTROLS TEST STATION TECHNICIAN

Course Number: 3ALR32570-2.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 9 weeks (270 hours).

Exhibit Dates: 7/69-12/73.

Objectives: To train enlisted personnel to perform intermediate maintenance on the F-111 flight controls test station.

Instruction: Lectures and practical exercises in computer mathematics, data and signal flow analysis, computer equipment and keyboard operation, components circuit analysis, and test station operation.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in computerized testing equipment (3/74).

AF-1715-0005

JET ENGINE ANALYZER—IRD OPERATOR

(Jet Engine Analyzer—IRD Maintenance)

Course Number: ATS43270-47; ATS42350-56.

Location: Technical Training Center, Chanute AFB, IL.

Length: 3 weeks (90 hours).

Exhibit Dates: 6/60-12/68.

Objectives: To train enlisted personnel in the operation and maintenance of the IRD jet engine analyzer equipment.

Instruction: Lectures and practical exercises in description, location, and installation of engine analyzer components; review of electronic principles; electronic circuits related to engine analyzers; troubleshooting; and repair.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0006

BOMB NAVIGATION SYSTEMS MECHANIC (FB-111)

Course Number: 3ALR32130R.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 24 weeks (720 hours).

Exhibit Dates: 9/69-12/73.

Objectives: To train enlisted personnel to repair bomb navigation systems.

Instruction: Lectures and practical exercises in attack radar system theory, operation, and maintenance; optical display sight system operation and maintenance; digital computer complex, control and display set, and integrated system tie-ins operation; and bomb navigation system maintenance, operational checks, and troubleshooting procedures.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in electronics, 2 in electronics laboratory, and additional credit in electronics on the basis of institutional evaluation (4/74).

AF-1715-0007

F/FB-111 NAVIGATION AIDS TEST STATION TECHNICIAN

Course Number: 3ALR30171-1.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 9 weeks (270 hours).

Exhibit Dates: 5/68-12/73.

Objectives: To train enlisted personnel to perform as navigation test aids station technicians.

Instruction: Lectures and practical experience in operation and confidence testing of communications and navigation aids test station, shop reparable units maintenance, ground safety and security, technical publications, corrosion control, and maintenance management.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0009

1. AUTOMATIC TRACKING RADAR SPECIALIST (AUTO TRACKING RADAR EQUIPMENT)
2. AUTOMATIC TRACKING RADAR SPECIALIST (RADAR SYSTEMS)
   (Automatic Tracking Radar Specialist)
3. AUTOMATIC TRACKING RADAR SPECIALIST

Course Number: *Version 1:* ABR30333A. *Version 2:* AB30333A; AB30333. *Version 3:* AB30333.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 43-44 weeks (1200-1230 hours). *Version 2:* 36-37 weeks (1020 hours). *Version 3:* 16 weeks (480 hours).

Exhibit Dates: *Version 1:* 9/60-12/68. *Version 2:* 11/54-8/60. *Version 3:* 7/54-10/54.

Objectives: To train enlisted personnel to operate, maintain, and repair automatic tracking radar equipment.

Instruction: *All Versions:* Lectures and laboratories in circuit-by-circuit analysis of radar systems and preventive maintenance, installation, and operation of automatic tracking radar systems. *Version 1:* Includes AC and DC circuits, vacuum tubes and semiconductors, amplifiers, oscillators, motors, servomechanisms, digital circuits, microwaves, and radar transmissions and reception including servo positioning and computing circuits. *Version 2:* Includes electricity and magnetism, AC circuits, vacuum tubes, power supplies, amplifiers, oscillators, modulators, detectors, receivers, transmitters, microwaves, synchros, and radar.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0010

1. WEAPONS CONTROL SYSTEMS MECHANIC
   (Weapons Control Systems Mechanic (F-105D/F: ASG-19 System))
2. WEAPONS CONTROL SYSTEMS MECHANIC (ASG-19 SYSTEM)
3. OFFENSIVE FIRE CONTROL SYSTEMS MECHANIC (ASG-19 SYSTEM)
   (Weapons Control Systems Mechanic (ASG-19 System))
4. OFFENSIVE FIRE CONTROL SYSTEMS MECHANIC (ASG-19 SYSTEM)
   (Fire Control Systems Mechanic (ASG-19))
   (Fire Control Systems Mechanic (ASG-19 System))

Course Number: *Version 1:* 3ABR32231N. *Version 2:* ABR32231N. *Version 3:* ABR32230N. *Version 4:* ABR32230N; ALR32230N.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 27-32 weeks (810-894 hours). *Version 2:* 35 weeks (960 hours). *Version 3:* 36 weeks (990 hours). *Version 4:* 38-40 weeks (1050-1110 hours).

Exhibit Dates: *Version 1:* 8/68-12/73. *Version 2:* 8/65-7/68. *Version 3:* 4/64-7/65. *Version 4:* 9/60-3/64.

Objectives: To train airmen to install, maintain, and repair weapon control systems.

Instruction: Lectures and laboratories in electronic principles; ASG-19 weapon control system maintenance electronics; radar transmission; video channel; range-tracking, missile-launching, and bomb-tossing computer operation and circuit analysis; search, attack, and track display; navigation; and installation, maintenance, and repair procedures.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 4:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0011

OFFENSIVE FIRE CONTROL SYSTEMS MECHANIC (ASG-19 SYSTEM)

(Fire Control Systems Mechanic (ASG-19))

Course Number: ALR32230N.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 19 weeks (570 hours).

Exhibit Dates: 2/61-12/68.

Objectives: To train enlisted personnel to troubleshoot, maintain, and repair ASG-19 fire control equipment.

Instruction: Lectures in ASG-19 fire control equipment maintenance and repair, including electronics fundamentals, R-14A radar transmission, air-to-air search display, range tracking computer and track display, navigation and bombing modes, radar calibration, antenna, attack reticle positioning, and missile launch and toss bomb computer and sight display.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0012

1. Offensive Fire Control Systems Technician (MA-3, ASG-17 Systems)
   (Fire Control System Technician (MA-3, ASG-17 Systems))
   (Fire Control System Technician (MA-1,-2,-3 GBR Sight Systems))
2. Fire Control Systems Technician (MA-1, 2, 3 GBR Sight Systems)
   (Fire Control Systems Technician (MA-1, MA-2, MA-3 Systems))
   (Sighting System Technician)

Course Number: *Version 1:* AAR32270B. *Version 2:* AAR32270B; AAR32270B-1; AA32270B-1; AA32271B.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 11–12 weeks (330–360 hours). *Version 2:* 13–16 weeks (390–480 hours).

Exhibit Dates: *Version 1:* 8/60–12/68, *Version 2:* 8/57–7/60.

Objectives: To train mechanics to maintain and repair specific fire control systems.

Instruction: *All Versions:* Lectures and laboratory in fire control systems circuit-by-circuit analysis, radar, bombing computers, and maintenance and repair procedures. *Version 2:* Instruction includes general laboratory test equipment, and microwave electronic devices familiarization.

Credit Recommendation: *Version 1:* See explanatory note at the beginning of the Air Force section. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0013

1. Defensive Fire Control Systems Mechanic (MD-1, MD-1A, MD-4, and A-5)
2. Turret System Mechanic (A-5, MD-1 and A, MD-4)
3. Turret System Mechanic (A-5, MD-1 and A, MD-4)
   (Turret System Mechanic (MD-1, MD-4, A-5))

Course Number: ABR32330C; AB32330C.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 35 weeks (960 hours). *Version 2:* 28–29 weeks (750–780 hours). *Version 3:* 19 weeks (540 hours).

Exhibit Dates: *Version 1:* 7/62–12/68. *Version 2:* 12/59–6/62. *Version 3:* 12/55–11/59.

Objectives: To train airmen to perform as defensive fire control systems mechanics.

Instruction: *Version 1:* Lectures and practical exercises in defensive fire control systems repair, including data flow of the A-5 system; system check-out; radar loop test and adjustments; computing, turret drive, and firing loop; and system harmonization and troubleshooting. *Version 2:* Lectures and practical exercises in turret system repair, including basic technical training; data flow of the A-5 system; system check-out; radar loop tests and adjustments; and system harmonization and troubleshooting. *Version 3:* Lectures and practical exercises in turret system repair, including use and application of test equipment; overall system data flow; APG-32A radar checks and adjustments; computing, turret drive, and firing system checks and adjustments; and MD-4, MD-1, and A-5 systems troubleshooting.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* See explanatory note at the beginning of the Air Force section.

AF-1715-0014

BUIC III I/O Display Equipment Maintenance

Course Number: 2ASR30553C-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 19 weeks (570 hours).

Exhibit Dates: 11/68–12/73.

Objectives: To train airmen to maintain and repair input, output, and display equipment of AN/GSA-51A systems.

Instruction: Lectures and practical experience in special circuit functions, system data flow, facility program functions, mechanical and logical analysis of systems components, operational test procedures, maintenance and troubleshooting, and operational cycling programs.

Credit Recommendation: Insufficient data for evaluation (3/74).

AF-1715-0015

AN/ASN-7 Automatic Navigational Computer
(Field and Organizational Maintenance of Automatic Navigation Computer (AN/ASN-7))

Course Number: ATS42373-1; SS42373-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 3–4 weeks (90–120 hours).

Exhibit Dates: 7/58–12/68.

Objectives: To provide enlisted personnel with basic training in the maintenance of automatic aircraft navigation computers.

Instruction: Lectures and practical exercises in automatic navigation systems, principles of air navigation, electromechanical computation, operational theory of ASN-7 computers, input and output information, malfunctions, and systems analysis, inspection, maintenance, and repair techniques.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0016

Electronic Computer Repairman (AN/FSA-21/412L)
(Electronic Digital Computer Repairman (AN/FSA-21/412L))

Course Number: ABR30533-3.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 14 weeks (420 hours).

Exhibit Dates: 3/64–12/68.

Objectives: To train enlisted personnel who have experience in basic electronics to maintain and repair digital computers.

Instruction: Practical experience in digital computer principles, troubleshooting techniques, test equipment, and hand skills.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in electricity and electronics, and credit in electronics laboratory on the basis of institutional evaluation (3/74).

AF-1715-0017

AN/UPX-14 Interrogator Set, O/I Maintenance

Course Number: 3AZR30372-59.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS.

Length: 3 weeks (83 hours).

Exhibit Dates: 1/73–12/73.

Objectives: To provide maintenance personnel with supplemental training in the servicing and maintenance of radar recognition sets.

Instruction: Lectures and practical exercises in radar recognition set familiarization, function and arrangement of subassemblies and components, isolation of equipment malfunctions, and inspection, repair, testing, and alignment of the radar recognition set AN/UPX-14.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0018

1. Electronic Computer Systems Repairman (AN/FST-2B)
2. Electronic Digital Data Processing Repairman (AN/FST-2B)
   (Electronic Digital Data Processing Equipment Repairman (Data Transmission))
   (Electronic Digital Data Processing Equipment Repairman)

Course Number: *Version 1:* 3ABR30534C-1. *Version 2:* ABR30531-4; ABR30531D; ABR30531.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 39 weeks (1170 hours). *Version 2:* 42–45 weeks (1170–1260 hours).

Exhibit Dates: *Version 1:* 11/70–12/73. *Version 2:* 9/59–10/70.

Objectives: To train enlisted personnel to service and repair electronic computer systems and coordinate-data-transmitting equipment.

Instruction: *All Versions:* Practical experience in maintenance and operation of data transmitting equipment, multiplexers, random access plan position indicators, electronic and data processing principles, digital computer techniques, and shop practices. *Version 2:* Includes basic circuit analysis, testing and logic.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the upper-division baccalaureate category, 3 semester hours in electricity and electronics, and additional credit in electronics laboratory on the basis of institutional evaluation (3/74).

AF-1715-0019

1. Flight Facilities Equipment Technician
2. Flight Facilities Equipment Maintenance Technician

Course Number: AAR30471.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 38 weeks (1140 hours). *Version 2:* 32 weeks (960 hours).

Exhibit Dates: *Version 1:* 12/63–12/68. *Version 2:* 12/58–11/63.

Objectives: To train selected airmen in the operation, maintenance, and installation of flight facilities and associated equipment.

Instruction: Lectures and practical experience in advanced electronic principles of circuit analysis; troubleshooting techniques; maintenance, installation, testing, and alignment of flight facilities; flight and ground checking procedures; shop management; systems and files; supply procedures and catalogs; and personnel management.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in shop management (12/68), 3 in communications engineering (3/74), and credit in communications engineering on the basis of institutional evaluation (3/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in shop management (12/68).

AF-1715-0020

Aircraft Control and Warning
Radar Repairman, AN/FPS-8,
AN/FPS-4
(Aircraft Control and Warning Radar Repairman, AN/FPS-8, AN/FPS-4, and IFF)

Course Number: AB30332E.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 28-35 weeks (870-960 hours).
Exhibit Dates: 3/55-12/68.
Objectives: To train enlisted personnel to operate, align, tune, inspect, and repair aircraft control and warning radar equipment.
Instruction: Lectures and laboratories in AC and DC circuits, resistors, inductors, capacitors, transients, measuring instruments, motors and generators, oscilloscopes, power supplies, diodes and rectifiers, amplifiers, oscillators, special circuits, and radar microwave propagation.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours as a technical elective in electrical engineering (3/74).

AF-1715-0021

1. Automatic Tracking Radar Technician (Radar Equipment)
2. Automatic Tracking Radar Technician (Automatic Tracking Radar Equipment)
   (Automatic Tracking Radar Technician)
3. Automatic Tracking Radar Technician
4. Automatic Tracking Radar Technician

Course Number: *Version 1:* AAR30373A. *Version 2:* AAR30373A; AAR30373. *Version 3:* AA30373. *Version 4:* AA30373.
Location: 3380th Technical School, Keesler AFB, MS.
Length: *Version 1:* 40 weeks (1200 hours). *Version 2:* 35 weeks (1050 hours). *Version 3:* 19 weeks (570 hours) *Version 4:* 24 weeks (720 hours).
Exhibit Dates: *Version 1:* 1/64-12/68. *Version 2:* 9/59-12/63. *Version 3:* 3/58-8/59. *Version 4:* 7/55-2/58.
Objectives: To provide enlisted personnel with advanced training in the maintenance of automatic tracking radar and associated equipment.
Instruction: *All Versions:* Lectures and practical exercises in transmitter and receiver circuits, indicators and servo circuits, test equipment, transmitter and receiving systems, RF and antenna systems, systems maintenance, and aircraft computer systems. *Version 1:* Includes applied mathematics, DC and AC circuit analysis, vacuum tubes, solid-state devices, and principles of data processing. *Version 2:* Includes applied mathematics, DC and AC circuit analysis, vacuum tubes, and solid-state devices.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in basic circuits and electronics (3/74). *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* See explanatory note at the beginning of the Air Force section. *Version 4:* See explanatory note at the beginning of the Air Force section.

AF-1715-0022

Aircraft Inertial and Radar
Navigation Systems Repairman
(RF-4C Supplement)

Course Number: 3AZR30154-1.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 13 weeks (390 hours).
Exhibit Dates: 6/68-12/73.
Objectives: To train enlisted personnel to install, inspect, maintain, and repair aircraft inertial and radar guidance systems.
Instruction: Lectures and practical exercises in aircraft inertial and radar guidance systems installation, inspection, maintenance, and repair, including aircraft guidance equipment operating principles, block-diagram and circuit analysis, electronic wave-shaping circuit analysis, and system maintenance and repair procedures. Emphasis is on electronic test equipment usage and equipment repair.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electronic pulse and wave-shaping circuit analysis (3/74).

AF-1715-0023

Aircraft Control and Warning
Radar Repairman (AN/CPS-6B
and AN/FPS-6)
(Aircraft Control and Warning Radar Repairman (AN/CPS-6B and IFF))

Course Number: AB30332D.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 29-39 weeks (870-1080 hours).
Exhibit Dates: 11/54-12/68.
Objectives: To train enlisted personnel to perform elementary maintenance and repair on aircraft control and early warning radar equipment.
Instruction: Lectures in AC and DC circuits fundamentals; transients; measuring instruments; oscilloscopes; motors and generators; DC power supplies; diodes and rectifiers; resistors, inductors, and capacitors; amplifiers, oscillators, and detectors; superheterodyne receivers; frequency modulation and discriminators; microwave devices and frequency sources; r-f transmission lines; synchros and servomechanisms; and maintenance and repair of radar, PPI, and IFF hardware.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electronics (3/74).

AF-1715-0024

Avionic Inertial and Radar
Navigation Systems Technician
(AN/APN-81-89A/99A Doppler)

Course Number: 3AZR32874-2.
Location: 3380th Technical School, Keesler AFB, TX.
Length: 10 weeks (300 hours).
Exhibit Dates: 6/72-12/73.
Objectives: To train enlisted personnel to install, maintain, and repair avionic inertial and radar navigation systems.
Instruction: Lectures and practical exercises in soldering; wiring; use of multitester, oscilloscope, and special test sets in equipment testing procedures; system maintenance procedures; and circuit analysis of transmitter, antenna, receiver, frequency tracker, wind computer, and amplifier.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0025

Airborne Early Warning Radar
Repairman (AN/APS-20E)

Course Number: AB30132A.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 29 weeks (870 hours).
Exhibit Dates: 3/55-12/68.
Objectives: To provide enlisted personnel with in-depth training in installation, repair, and maintenance of airborne early warning radar systems.
Instruction: Lectures and practical experience in airborne early warning radar system installation, maintenance, and repair, including AC and DC circuit fundamentals; series resistive and parallel resistive circuits; principles of magnetism; capacitors and capacitive reactance; DC motors, generators, and measuring instruments; diodes, triodes, tetrodes, and pentodes; principles of amplification; video, tuned, and push-pull amplifiers; amplitude modulation and detection; and various troubleshooting techniques and equipment usage. Much of the material contained in this course has been outdated by recent advances in semiconductor devices; its transfer value is in DC and AC circuits, manual skills, and troubleshooting techniques.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electronics (3/74).

AF-1715-0026

Aircraft Inertial and Radar
Navigation Systems Repairman
(AN/APN-81/89A/99A Doppler)
(Aircraft Inertial and Radar Navigation Systems Repairman (AN/APN-89/99/108 Doppler))

Course Number: 3AZR30154-2; AZR30154-2.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 10-12 weeks (300-360 hours).
Exhibit Dates: 12/64-12/73.
Objectives: To train enlisted personnel to install, inspect, maintain, and repair inertial and radar navigation systems.
Instruction: Lectures and laboratories in inertial and radar navigation system functions and operational characteristics; circuit analysis; operation, calibration, tuning, and alignment; inspection and troubleshooting procedures; and use of multitester, tube checker, oscilloscope, and special test sets for circuit tracing.
Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0027

1. Avionic Inertial and Radar Navigation Systems Specialist
2. Aircraft Inertial and Radar Navigation Systems Repairman
3. Aircraft Inertial and Radar Navigation Systems Repairman

Course Number: *Version 1:* 3ABR32834. *Version 2:* 3ABR30134. *Version 3:* 3ABR30134; ABR30134.
Location: 3380th Technical School, Keesler AFB, MS.
Length: *Version 1:* 35 weeks (1050 hours). *Version 2:* 37-39 weeks (1110-1170 hours). *Version 3:* 40 weeks (1110 hours).
Exhibit Dates: *Version 1:* 3/72-12/73. *Version 2:* 4/70-2/72. *Version 3:* 2/65-3/70.

Objectives: To train airmen to operate, maintain, and repair avionic inertial and radar navigation equipment.

Instruction: *All Versions:* Lectures and practical exercises in the operation, maintenance, and repair of avionic inertial and radar navigation equipment, including digital computer mathematics, logic, and symbology; analog computer circuit analyses; air navigation and general purpose computer principles and characteristics; and Doppler equipment. *Version 1:* Includes general purpose computer applications to airborne guidance equipment and integrated data systems, forward-looking/terrain-following systems, DC and AC, resonance, magnetism, motors, and synchros; diodes, transistors, and electron tubes; operation, function, and basic mathematical relationships of power supplies, regulators, multivibrators, pulsed and blocking oscillators; AM, FM, and PM systems; binary and octal numbers; logic functions; diagrams and circuits; truth tables; Boolean algebra; counters and storage devices; transmission lines and antennas; transmitters; wave-guides; cavity resonators; UHF and microwave oscillators and amplifiers; and electrical test equipment. *Version 2:* Includes forward-looking/terrain-following systems, DC and AC, resonance, magnetism, motors, and synchros; diodes, transistors, and electron tubes; operation, function, and basic mathematical relationships of power supplies, regulators, multivibrators, pulsed and blocking oscillators, AM, FM, and PM systems; binary and octal numbers; logic functions; diagrams and circuits; truth tables; Boolean algebra; counters and storage devices; transmission lines and antennas; transmitters; wave-guides; cavity resonators; UHF and microwave oscillators and amplifiers; and electrical test equipment. *Version 3:* Includes radar altimeters, gyroscope and accelerometer transducers in inertial guidance systems, inertial navigation systems with avionics tie-in, alignment of inertial navigation systems, synchros and feedback for stable platforms, and calibration and specialized maintenance procedures.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in electrical laboratory and 3 in digital electronics (3/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in electrical laboratory (3/74). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in analog and digital computer fundamentals (3/74).

AF-1715-0028

PRECISION PHOTOGRAPHIC SYSTEMS REPAIRMAN

Course Number: 3ABR40430.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 19-20 weeks (570 hours).

Exhibit Dates: 5/68-12/73.

Objectives: To train airmen to repair precision photographic systems.

Instruction: Course includes photo principles, contact and projection printer systems, motion picture and finishing equipment, photo intelligence equipment, processing systems and quality control, and still camera systems. Students complete 8 weeks of Maintenance Electronics (3AQR40020) as part of this course.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in precision photoprocessing laboratory (11/77).

AF-1715-0029

AIRBORNE EARLY WARNING RADAR REPAIRMAN (AN/APS-45)

Course Number: AB30132B.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 27 weeks (810 hours).

Exhibit Dates: 3/55-12/68.

Objectives: To train enlisted personnel to perform elementary maintenance and repair on early warning radar equipment.

Instruction: Lectures and practical exercises in AC and DC circuits, batteries, resistors, inductors, capacitors, measuring instruments, motors and generators, and transformers; oscilloscopes; oscillators and modulators; rectifier power supplies; microwave devices; high-frequency sources and transmission lines; and maintenance and repair of equipment, including height-finder radars, ground-position indicators, and repeater radars.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours as a technical elective in electrical engineering (3/74).

AF-1715-0030

ELECTRONIC COMPUTER PRINCIPLES, FYQ-47 PREPARATORY (RADAR PRINCIPLES)

Course Number: 3AQR30520-3.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS; 3380th Technical School, Keesler AFB, MS.

Length: 20-21 weeks (600-618 hours).

Exhibit Dates: 11/71-12/73.

Objectives: To provide enlisted personnel with an introduction to radar principles as a prerequisite for radar equipment servicing courses.

Instruction: Lectures and practical exercises in basic AC, DC, and RLC circuit principles; solid-state amplifiers, power supplies, and applications in wave generation; electron tube principles and applications; computer logic and components; maintenance management; and computer and radar principles and their application to specific equipment maintenance.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours as an elective in technical subjects (3/74).

AF-1715-0031

AIR/GROUND 50-KHZ EQUIPMENT

Course Number: 3AZR30454-5.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS.

Length: 2 weeks (64 hours).

Exhibit Dates: 6/73-12/73.

Objectives: To train enlisted personnel to repair and maintain communications equipment.

Instruction: Lectures and practical experience in receiver analysis, solid-state devices, and transmitter alignment and repair.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0032

1. PRECISION MEASURING EQUIPMENT SPECIALIST
2. PRECISION MEASURING EQUIPMENT SPECIALIST
3. PRECISION MEASURING EQUIPMENT SPECIALIST
4. PRECISION MEASURING EQUIPMENT SPECIALIST
5. PRECISION MEASURING EQUIPMENT TECHNICIAN
6. PRECISION MEASURING EQUIPMENT TECHNICIAN

Course Number: *Version 1:* 3ABR32430-2. *Version 2:* 3ABR32430. *Version 3:* ALR32430. *Version 4:* ALR32430. *Version 5:* ALR32470. *Version 6:* ALR32470.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 32 weeks (900 hours). *Version 2:* 45-46 weeks (1290 hours). *Version 3:* 35 weeks (1050 hours). *Version 4:* 28 weeks (840 hours). *Version 5:* 18 weeks (540 hours). *Version 6:* 16 weeks (480 hours).

Exhibit Dates: *Version 1:* 5/73-12/73. *Version 2:* 6/68-4/73. *Version 3:* 1/63-5/68. *Version 4:* 1/62-12/62. *Version 5:* 12/59-12/61. *Version 6:* 3/59-11/59.

Objectives: To train enlisted personnel in the installation, check-out, and maintenance of sophisticated electronic systems.

Instruction: *All Versions:* Lectures and practical exercises in trigonometry, complex algebra, electronic fundamentals, electronic circuits, signal generation, low- and high-frequency measurements, microwaves, precision measurements. *Version 5:* Low-level fundamentals, with extensive measurement and calibration practices on electronic and frequency-measuring equipment. *Version 6:* Low-level fundamentals, with extensive measurement and calibration practice on electronic and frequency-measuring equipment.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in electrical or electronics laboratory, 3 in microwaves (3/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in electricity or electronics, 3 in electricity or electronics laboratory, 3 in microwaves, 2 in engineering measurement (3/74). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in electricity or electronics, 3 in electricity or electronics laboratory, 3 in microwaves, 2 in engineering measurement (3/74). *Version 4:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics laboratory, 3 in microwaves, 2 in engineering measurement (3/74). *Version 5:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics laboratory, 1 in microwaves, 1 in engineering measurement (3/74). *Version 6:* In the upper-division baccalaureate category, 2 semester hours in electricity or electronics laboratory, 1 in engineering measurement (3/74).

AF-1715-0033

PRECISION MEASURING EQUIPMENT SPECIALIST (ELECTRONICS)

Course Number: 3ABR32430-1; ALR32430-1.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 16-20 weeks (510-600 hours).

Exhibit Dates: 3/64-12/73.

Objectives: To train enlisted personnel to make precision measurements using electrical and electronic instrumentation.

Instruction: Lectures and practical exercises in DC and AC measurements, waveform analysis, and frequency and microwave measurement.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester

hours in electricity or electronics laboratory, 3 in microwaves (3/74).

AF-1715-0034

Electronic Computer Systems Repairman (Weapons Control Computer Group, AN/FSA-21/412L)

Course Number: 3ALR30554-1.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 19 weeks (588 hours).
Exhibit Dates: 4/72-12/73.
Objectives: To train enlisted personnel to maintain the AN/FSA-21 target intercept computer group.
Instruction: Lectures and practical exercises in air weapons control system familiarization, application and operation of specialized test equipment, programming and maintenance panel operation, weapons control computers, computer auxiliary equipment, and data storage units.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (3/74).

AF-1715-0036

HN-10 MUX O/I Maintenance

Course Number: 3AZR30554-9.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 4 weeks (120 hours).
Exhibit Dates: 9/71-12/73.
Objectives: To train electronic equipment repairmen to maintain HN-10 multiplexing ancillary equipment at the organizational and intermediate level.
Instruction: Lectures and practical exercises in TSEC/HN-10 data multiplex ancillary equipment, transmitter masters, receiver masters, and system maintenance.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (3/74).

AF-1715-0037

Guidance Control Officer (Computer)(SM-68)

Course Number: OTC3044-5.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 7 weeks (210 hours).
Exhibit Dates: 2/61-12/68.
Objectives: To train officers to operate and maintain WS-107A-2 guidance computers.
Instruction: Lectures and practical exercises in number systems, Boolean algebra, programming techniques, and equipment applicable to the WS-107A-2 guidance computer.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in digital computers (3/74).

AF-1715-0038

1. Telephone Switching Equipment Repairman, Electromechanical
2. Telephone Switching Equipment Repairman, Electromechanical (Telephone Switching Equipment Technician (Step by Step and X-4 Equipment))

Course Number: *All Versions:* 3ABR36231. *Version 2:* ABR36231; ABR36231A.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: *Version 1:* 26 weeks (762 hours). *Version 2:* 28-30 weeks (810 hours).
Exhibit Dates: *Version 1:* 7/70-12/73. *Version 2:* 4/64-6/70.
Objectives: To train enlisted personnel in the installation, repair, and maintenance of telephone equipment.
Instruction: Lectures and laboratories in DC and AC circuits, AC motors and synchros, solid-state power supplies and amplifiers, and relays and stepping switches.
Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0039

Single Sideband System Maintenance

Course Number: AZR30473.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 16 weeks (480 hours).
Exhibit Dates: 9/60-12/68.
Objectives: To train enlisted personnel to operate and maintain single-sideband communications systems.
Instruction: Lectures and laboratories in electronic principles and circuit analysis, troubleshooting and maintenance techniques, and testing, alignment, and repair of single-sideband transmitting and receiving equipment.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour as an elective in communications engineering, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0040

Gunlaying System Mechanic, B-47

Course Number: AB32330C.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 26 weeks (780 hours).
Exhibit Dates: 8/54-12/68.
Objectives: To train enlisted personnel to isolate unit malfunctions and to perform organizational and field maintenance on turret assemblies, including gunlaying radar.
Instruction: Lectures and laboratories in fundamentals of DC and AC circuits, vacuum and gas-filled tubes, power supplies, voltage regulators, amplifiers, oscillators, oscilloscopes, and radar system components and circuits.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0041

Gunlaying System Mechanic, B-36

Course Number: AB32330B.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 28 weeks (840 hours).
Exhibit Dates: 8/54-12/68.
Objectives: To train enlisted personnel to isolate unit malfunctions and to perform organizational and field maintenance on turret system assemblies, including gunlaying radar.
Instruction: Lectures and laboratories in fundamentals of DC and AC circuits, vacuum and gas-filled tubes, power supplies, voltage regulators, amplifiers, oscillators, oscilloscopes, and radar system components and circuits.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0042

Solid State Devices and Digital Techniques

Course Number: 3AZR30070-003.
Location: School of Applied Aerospace Sciences, Keesler AFB, MS.
Length: 5 weeks (152 hours).
Exhibit Dates: 7/73-12/73.
Objectives: To train enlisted personnel in the principles of solid-state devices and digital techniques.
Instruction: Lectures and practical exercises in solid-state devices, parameters, integrated circuits, numbering systems, logic functions and circuits, counters, registers and A-D converters.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in digital systems (3/74).

AF-1715-0043

Solid State Devices and Digital Techniques

Course Number: 3AZR30070-002.
Location: School of Applied Aerospace Sciences, Keesler AFB, MS.
Length: 2-3 weeks (74 hours).
Exhibit Dates: 7/73-12/73.
Objectives: To provide maintenance personnel who have had prior DC, AC, and vacuum tube circuitry experience with advanced training in the principles of solid-state devices.
Instruction: Lectures and practical experiences in theory of solid-state devices, types and parameters, and integrated circuits.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0044

Solid State Devices and Digital Techniques

Course Number: 3AZR30070-001.
Location: School of Applied Aerospace Sciences, Keesler AFB, MS.
Length: 2-3 weeks (78 hours).
Exhibit Dates: 7/73-12/73.
Objectives: To train enlisted personnel in digital techniques.
Instruction: Lectures and practical exercises in numbering systems, logic functions and circuits, counters, registers, and A-D converters.
Credit Recommendation: In the upper-division baccalaureate category, category, 1 semester hour in digital systems (3/74).

AF-1715-0045

1. Key Telephone System Maintenance
2. Type 1A1 Keying Equipment Maintenance

Course Number: *Version 1:* 3AZR36254. *Version 2:* AZR36152B; AZR36152.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 4 weeks (120 hours).
Exhibit Dates: *Version 1:* 11/67-12/73. *Version 2:* 6/61-10/67.
Objectives: To train airmen to maintain and repair telephone systems.
Instruction: Lectures and practical experience in the use of schematic diagrams in the installation and maintenance of key telephone equipment and systems; circuit analy-

sis of 1A1 key telephone systems; use of connection tables and strapping sheets; cable installation practices; installation of 1A2 key telephone systems; 6A system circuit analysis; troubleshooting and maintenance of key systems; and installation of call director equipment.

Credit Recommendation: *Version 1:* See explanatory note at the beginning of the Air Force section. *Version 2:* See explanatory note at the beginning of the Air Force section.

AF-1715-0046

Radio Operator (Voice)

Course Number: 3ABR29333.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS.

Length: 9–10 weeks (270–300 hours).

Exhibit Dates: 12/72–12/73.

Objectives: To train enlisted personnel in the operation of radio receivers and transmitters for ground-to-air and point-to-point voice communications.

Instruction: Lectures and practical experience in tuning and operation of radio transmitters and receivers, radio wave propagation, and antenna theory.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0047

Telecommunications Systems Control Specialist/Attendant

Course Number: *Version 1:* 3ABR30730. *Version 2:* 3ABR30730. *Version 3:* ABR30730.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 27 weeks (810 hours). *Version 2:* 32–33 weeks (900 hours). *Version 3:* 34 weeks (930 hours).

Exhibit Dates: *Version 1:* 8/71–12/73. *Version 2:* 12/68–7/71. *Version 3:* 1/63–11/68.

Objectives: To train airmen to install and repair telecommunications control equipment.

Instruction: Lectures and practical exercises in fundamentals of AC and DC circuits, motors, synchros, basic tube and transistor theory, power supplies, amplifiers, and radio circuits.

Credit Recommendation: *All Versions:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0048

Telephone Equipment Installer-Repairman

Course Number: *All Versions:* 3ABR36234. *Version 2:* ABR36234.

Location: *Version 1:* School of Applied Aerospace Sciences, Sheppard AFB, TX. *Version 2:* 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 19 weeks (682 hours). *Version 2:* 19–20 weeks (540–600 hours).

Exhibit Dates: *Version 1:* 7/73–12/73. *Version 2:* 1/66–6/73.

Objectives: To train enlisted personnel to install, repair, and maintain telephone equipment.

Instruction: Lectures and practical exercises in fundamentals of AC and DC, AC motors and synchros, basic transistor theory, power supplies and regulators, and relays and stepping switches.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the upper-division baccalaureate category, 2 semester hours in electricity or electronics (3/74).

AF-1715-0049

Ground Radio Communications Equipment Repairman (SLFCS)

Course Number: AZR30454.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 4 weeks (120 hours).

Exhibit Dates: 7/67–12/68.

Objectives: To train enlisted personnel in the operation, maintenance, and repair of specific communications devices.

Instruction: Practical experience in maintenance, repair, and operation of VHF receivers and transmitters, circuit analysis, oscillators, and power supplies.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0050

Automatic Central Office Equipment Repairman

Course Number: AL36231.

Location: 3450th Technical School, Warren AFB, WY.

Length: 13 weeks (390 hours).

Exhibit Dates: 12/54–12/68.

Objectives: To train enlisted personnel to install and maintain automatic dial central office telephone exchange equipment.

Instruction: Lectures and practical exercises in fundamentals of automatic telephony, relay and switch adjustment, circuit analysis of the automatic central office, and trunking and routing of the automatic central office.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0051

STRAWHAT Message Processing Maintenance

Course Number: 3AZR30650F-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 19 weeks (570 hours).

Exhibit Dates: 10/71–12/73.

Objectives: To train enlisted personnel in the maintenance and repair of specific message processing systems.

Instruction: Lectures and practical experience in data control circuits, logic analysis, series-to-parallel converters, and troubleshooting.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0052

HM4118 Computer Display Equipment (407L)

Course Number: 3AZR30554-11.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS.

Length: 15 weeks (438 hours).

Exhibit Dates: 11/72–12/73.

Objectives: To train enlisted personnel in the repair and maintenance of specific computer display systems.

Instruction: Lectures and practical experience in system's characteristics, analysis and maintenance of secondary surveillance radar systems, display controllers, automatic data link and modems.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0053

STRAWHAT Maintenance

Course Number: 3AZR30551-6.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 18 weeks (540 hours).

Exhibit Dates: 8/70–12/73.

Objectives: To train enlisted personnel in the repair and maintenance of specific electromechanical devices.

Instruction: Lectures and practical experience in STRAWHAT maintenance, including logic analysis, troubleshooting, measurement, multiplex systems, signal data storage, monitoring, and transmitter circuitry.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0054

F-111 CADC Test Station Technician

Course Number: 3ALR32571-1.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 3 weeks (90 hours).

Exhibit Dates: 7/68–12/73.

Objectives: To train enlisted personnel to maintain central air data computers and associated test equipment.

Instruction: Lectures and laboratories in maintenance of central air data computer test stations, technical publications, ground safety, security, corrosion control, and maintenance management.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0055

407L Weapons Controller

Course Number: 3OLR1744F.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS.

Length: 2 weeks (60 hours).

Exhibit Dates: 11/72–12/73.

Objectives: To train weapons controllers to operate weapons control systems at 407 CRC/CRP sites.

Instruction: Lectures and laboratories in operation of surveillance and weapons positions, and tactical air control systems familiarization.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (3/74).

AF-1715-0056

Aircraft Control and Warning Radar Repairman (AN/GPA-37)

Course Number: AB30332H.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 35 weeks (960 hours).

Exhibit Dates: 3/58–12/68.

Objectives: To train enlisted personnel to repair and maintain aircraft control and warning systems.

Instruction: Lectures and laboratories in DC and AC circuits, electron tubes, power supplies, amplifiers and oscillators, basic computer circuits and techniques, and familiarization with radar course-directing equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0057

1. ELECTRONIC COMPUTER SYSTEMS REPAIRMAN (DPC/SACCS)
2. ELECTRONIC COMPUTER REPAIRMAN (DPC/SACCS)
3. ELECTRONIC COMPUTER REPAIRMAN (DPC/465L)

Course Number: *Version 1:* 3ABR30534A. *Version 2:* 3ABR30533A. *Version 3:* ABR30533-8.

Location: *Version 1:* School of Applied Aerospace Sciences, Keesler AFB, MS. *All Versions:* 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 31-32 weeks (948 hours). *Version 2:* 37 weeks (1020 hours). *Version 3:* 41 weeks (1140 hours).

Exhibit Dates: *Version 1:* 8/71-12/73. *Version 2:* 9/68-7/71. *Version 3:* 1/65-8/68.

Objectives: To train enlisted personnel to be electronic computer systems repairmen.

Instruction: *All Versions:* Lectures and practical exercises in electronic computer systems repair, including electronic and data processing principles, malfunction analysis, maintenance concepts, data processing central computer equipment maintenance, component malfunction isolation and repair. *Version 1:* Instruction includes SACCS computer system operation, maintenance, and maintenance management. *Version 2:* Instruction includes digital techniques, circuit logic, and aerospace ground equipment usage. *Version 3:* Instruction includes 465L computer system equipment, digital techniques, circuit logic, and aerospace ground equipment component malfunction isolation and repair.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the upper-division baccalaureate category, 4 semester hours in electricity and electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0058

1. ELECTRONIC COMPUTER SYSTEMS REPAIRMAN (FSQ-7/SAGE)
2. ELECTRONIC COMPUTER REPAIRMAN (SAGE AN/FSQ-7)
   (Electric Digital Computer Repairman (SAGE AN/FSQ-7))

Course Number: *Version 1:* 3ABR30534A-1. *Version 2:* 3ABR30533A-1; ABR30533-1.

Location: *Version 1:* School of Applied Aerospace Sciences, Keesler AFB, MS. *Version 2:* 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 32 weeks (960 hours). *Version 2:* 46-47 weeks (1290-1320 hours).

Exhibit Dates: *Version 1:* 9/72-12/73. *Version 2:* 3/64-8/72.

Objectives: To provide airmen with the knowledge of computer logic, organization, and internal programming necessary to perform maintenance and repair on the SAGE FSQ-7 electronic computer.

Instruction: Lectures and practical exercises in SAGE FSQ-7 computer system fundamentals, including logic symbology and index, alphanumeric codes, registers, internal instructions and programs, instruction/command decoding, computer alarms and manual control, memories, cores and drums, digital display generators, output control and storage, peripheral input/output devices, and computer systems maintenance procedures. Additional instruction in electronic fundamentals for digital data processing equipment repairmen, including DC electrostatic principles through series-parallel circuits; AC principles through series-parallel resonant circuits; motors; saturable reactors; magnetic amplifiers; servos, synchros, and servo amplifiers; fundamentals of tubes and transistors; rectifiers; filters; time constants; power supplies; voltage regulators; soldering techniques; triodes; tetrodes; pentodes; transistors; special-purpose tubes; amplifiers and oscillators, including blocking oscillators, passive and active limiters, clampers, and amplifier circuits; synchroscope; transients; shock-excited Hartley, Astabel, oneshot, and bistabe multivibrators; thyratron, sawtooth, trapezoidal, and transistor sweep circuits; computer circuits and computing techniques; binary, ocatal, and binary excess-three codes; computer history; AN-OR gates, matrices, Boolean algebra, logic generators, and associated circuits; special-purpose amplifiers and gating circuits; counters, count detection, decoders, encoders, registers; conversion circuits, memory circuits and storage device principles; input/output devices; and coding principles.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semesfer hours in computer science (3/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in computer science (3/74).

AF-1715-0059

ELECTRONIC COMPUTER REPAIRMAN (DISPLAY EQUIPMENT/412L)
(Electronic Digital Computer Repairman (Display Equipment/412L))

Course Number: ABR30533-5.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 15 weeks (450 hours).

Exhibit Dates: 3/64-12/68.

Objectives: To train enlisted personnel to inspect and maintain display equipment associated with 412L air weapons control system.

Instruction: Lectures and laboratories in electronic digital data computer principles, AWCS 412L familiarization, application and operation of test equipment, maintenance management, circuit analysis, and troubleshooting procedures.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours as an elective in electricity and electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0060

AIRCRAFT CONTROL AND WARNING RADAR REPAIRMAN (AN/FPS-18, AN/FST-1, AN-FSA-10, AN/FSW-1)

Course Number: AB30332-F.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 37 weeks (1020 hours).

Exhibit Dates: 3/58-12/68.

Objectives: To train enlisted personnel to operate, tune, align, inspect, and maintain aircraft control and warning radar equipment and associated quantizing and video combining equipment.

Instruction: Lectures and laboratories in DC and AC circuit analysis, magnetism, vacuum tube and solid-state devices, transmitter and receiver principles, equipment maintenance, and troubleshooting.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity and electronics (3/74).

AF-1715-0061

ELECTRONIC ANALOG DATA PROCESSING EQUIPMENT REPAIRMAN

Course Number: ABR30532.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 35 weeks (960 hours).

Exhibit Dates: 9/59-12/68.

Objectives: To train enlisted personnel to operate, inspect, and maintain radar systems and related test equipment.

Instruction: Lectures and laboratories in AC and DC circuits, circuit analysis, electron tubes and power supplies, and troubleshooting procedures. Much of the course material is obsolete, dealing primarily with vacuum tubes and their applications; however, some credit should be given in the areas of basic circuits, laboratories, hand skills, circuit analysis, and troubleshooting.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours as a technical elective in electronics (3/74).

AF-1715-0062

AN/FYQ-45 AND AN/FYA-38 MAINTENANCE

Course Number: 2ASR30573-4.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 10 weeks (312 hours).

Exhibit Dates: 2/69-12/73.

Objectives: To train enlisted personnel to maintain operations control consoles and computer interface buffers used with the Air Force integrated command and control system.

Instruction: Lectures and practical exercises in introduction to computer programming, central processors, static and dynamic displays, input/output equipment, system maintenance, and troubleshooting.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours as a technical elective in computer subjects (3/74).

AF-1715-0063

ELECTRONIC COMPUTER REPAIRMAN (EDTCC/465L)

Course Number: ABR30533-9.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 19 weeks (570 hours).

Exhibit Dates: 6/64-2/68.

Objectives: To train enlisted personnel to operate, inspect, and maintain electronic data transmission control center computer equipment. ; 3/74

Instruction: Lectures and laboratories in system orientation, electronic and data processing principles, digital techniques, circuit logic, maintenance concepts, test routines, malfunction analysis, isolation and repair of components, and use of aerospace ground equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0064

1. Aircraft Control and Warning Radar Technician
2. Aircraft Control and Warning Radar Maintenance Technician
3. Aircraft Control and Warning Radar Maintenance Technician

Course Number: *Version 1:* AAR30372. *Version 2:* AAR30372. *Version 3:* AA30372.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 40 weeks (1200 hours). *Version 2:* 34 weeks (1020 hours). *Version 3:* 19 weeks (570 hours).

Exhibit Dates: *Version 1:* 2/64–12/68. *Version 2:* 7/59–1/64. *Version 3:* 10/55–6/59.

Objectives: To provide enlisted personnel with elementary theory and test procedures to enable them to repair and maintain aircraft control and warning radar equipment.

Instruction: *All Versions:* Lectures and practical experience in aircraft control and warning radar manuals and facilities, power supply regulation and distribution, trigger generation, transmitters, oscillators and amplifiers at radar frequencies, microwave plumbing, antenna design and control, system alignment, anti-jamming devices, MTI receivers, interference elimination, PPI systems and alignment procedures, range-height indicator systems, countermeasure monitors and receivers, IFF systems. *Version 2:* Includes additional circuit analysis, transformer ratings and performance, power supplies, rectifiers, filters, regulators, vacuum tube characteristics, timing circuits, integrator and differentiator circuits, pulse-forming networks, r-f transmission lines, matching stubs, duplexers, servos and resolvers, radar test sets, synchroscopes, troubleshooting, shop manuals, supervision, planning, and alignment. *Version 3:* Includes additional laboratory-type testing, calibration and measurement procedures on radar transmitter and receiver apparatus, frequency, bandwidth, spectral distribution, noise levels, shop management and supervision.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in business organization and management (12/68), 3 as an elective in electronics (3/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in business organization and management (12/68), 3 as an elective in electronics (3/73). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in business organization and management (12/68), 2 as an elective in electronics (3/74).

AF-1715-0065

1. Aircraft Radio Repairman
2. Aircraft Radio Repairman (Communications)
3. Aircraft Radio Repairman (General)
4. Aircraft Radio Repairman (General)

Course Number: *Version 1:* 3ABR30130; ABR30130. *Version 2:* ABR30130B. *Version 3:* AB30130B. *Version 4:* AB30130B-2.

Location: *Version 1:* 3380th Technical School, Keesler AFB, MS. *Version 2:* 3380th Technical School, Keesler AFB, MS. *Version 3:* 3310th Technical School, Scott AFB, IL. *Version 4:* 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 29–30 weeks (840–870 hours). *Version 2:* 33 weeks (900 hours). *Version 3:* 26 weeks (780 hours). *Version 4:* 28 weeks (840 hours).

Exhibit Dates: *Version 1:* 8/59–12/73. *Version 2:* 8/58–7/59. *Version 3:* 2/56–7/58. *Version 4:* 8/55–1/56.

Objectives: To train enlisted personnel to operate, tune, align, maintain, and repair airborne communications equipment and related test equipment.

Instruction: *All Versions:* Lectures and practical experience in airborne communications equipment and related test equipment operation, maintenance, and repair, including power supplies operation principles and troubleshooting procedures; the frequency spectrum; resonance; magnetism principles; transformers and vacuum tubes operation; operation and maintenance of video and push-pull amplifiers, oscillators, AM modulators, superheterodyne receivers, and transmission lines and antennas; familiarization with volts, ohms, and milliammeters; use of oscilloscopes; and soldering techniques. Emphasis is on aircraft navigational equipment alignment, calibration, troubleshooting, and repair. *Version 1:* Instruction includes principles of solid-state devices, FM modulation, discriminators, and signal sideband. *Version 3:* Instruction includes minimal theoretical material and emphasizes aircraft radio system maintenance, troubleshooting, and repair. *Version 4:* Instruction includes principles of FM modulation, discriminators, pulse modulation, and principles of motors.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 6 semester hours in electrical laboratory on the basis of institutional evaluation (3/74). *Version 2:* In the upper-division baccalaureate category, 4 semester hours in electrical laboratory on the basis of institutional evaluation (3/74). *Version 3:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 4:* In the upper-division baccalaureate category, 4 semester hours in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0066

Aircraft Radio Repairman (Command)

Course Number: AB30130A-2.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 25 weeks (750 hours).

Exhibit Dates: 8/55–12/68.

Objectives: To train enlisted personnel to operate, tune, align, maintain, and repair airborne command communications equipment and related test equipment.

Instruction: Lectures and practical experience in principles of electricity and magnetism; alternating current; vacuum tubes, power supplies, and voltage regulators; amplifiers and oscillators; modulation, detection, and receiver kit construction; special circuits; transmission, generation, and propagation of microwave and high-frequency energy and synchros; and practical applications of electricity fundamentals to communications equipment.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical laboratory (3/74).

AF-1715-0067

1. Aircraft Radio Maintenance Technician
2. Aircraft Radio Maintenance Technician
3. Airborne Radio Maintenance Technician

Course Number: *Version 1:* AAR30170. *Version 2:* AA30170X. *Version 3:* AA30170.

Location: *Version 1:* 3380th Technical School, Keesler AFB, MS. *Version 2:* 3380th Technical School, Keesler AFB, MS. *Version 3:* 3310th Technical School, Scott AFB, IL.

Length: *Version 1:* 33–39 weeks (990–1170 hours). *Version 2:* 19–23 weeks (570–690 hours). *Version 3:* 19–23 weeks (570–690 hours).

Exhibit Dates: *Version 1:* 8/59–12/68. *Version 2:* 1/54–7/59. *Version 3:* 1/54–7/59.

Objectives: To provide technicians with advanced training in aircraft communications equipment circuit theory, maintenance principles, and procedures.

Instruction: *All Versions:* Lectures and practical experience in aircraft communications equipment circuit theory, maintenance principles, and procedures. *Version 1:* Includes review of algebra, Boolean algebra, trigonometry, and logarithms; review of AC and DC circuits, including magnetic circuits, transformers, motors, and servo systems; vacuum tube and semiconductor theory and application to power supplies, regulators, amplifiers, limiting and peaking circuits, multivibrators and basic logic circuits; DC, audio, video, RF, and IF amplifiers analysis; wave-guide properties; transmission lines and antennas familiarization; klystron and magnetron operation principles; and AM, FM, and SSB systems operation principles. *Version 2:* Instruction emphasizes maintenance, troubleshooting, and repair of specific transmitters and receiving equipment, and includes functional system operation and test equipment use. *Version 3:* Instruction emphasizes maintenance, troubleshooting, and repair of specific transmitters and receiving equipment, and includes functional system operation and test equipment use.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, 3 in maintenance management, and, on the basis of institutional evaluation, credit in electrical laboratory (3/74). *Version 2:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 3:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0068

Aircraft Radio Repairman (Command)

Course Number: AB30130A.

Location: 3310th Technical School, Scott AFB, IL.

Length: 20 weeks (600 hours).

Exhibit Dates: 6/55–12/68.

Objectives: To train enlisted personnel to install, maintain, and repair airborne communication and related navigation equipment.

Instruction: Lectures and laboratories in aircraft command radio and associated equipment; UHF and VHF command equipment; aircraft emergency equipment; aircraft command radio equipment systems line maintenance; and familiarization with voltmeters, ohmmeters, ammeters, multimeters, wattmeters, oscilloscopes, and tube testers.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0069

1. Aircraft Radio Repairman (Navigational)
2. Aircraft Radio Repairman (Navigational)
3. Aircraft Radio Repairman

Course Number: *Version 1:* ABR30130C. *Version 2:* AB30130C. *Version 3:* AB30130-1.

Location: *Version 1:* 3380th Technical School, Keesler AFB, MS. *Version 2:* 3310th Technical School, Scott AFB, IL. *Version 3:* 3310th Technical School, Scott AFB, IL.

Length: *Version 1:* 33 weeks (900 hours). *Version 2:* 29 weeks (840 hours). *Version 3:* 32 weeks (960 hours).

Exhibit Dates: *Version 1:* 6/58-12/68. *Version 2:* 7/55-5/58. *Version 3:* 12/54-6/55.

Objectives: To train enlisted personnel to test, troubleshoot, and maintain airborne navigational equipment.

Instruction: *All Versions:* Lectures and practical experience in navigational equipment maintenance, testing, and troubleshooting, including schematic diagrams familiarization; AC nomenclature; series and parallel DC circuits and motors; principles of magnetism, resonance, and time constants; transformers and vacuum tubes; power supplies operation and troubleshooting; audio and video amplifiers; oscillators; AM and FM modulation; superheterodyne receivers and wave-shaping circuits; familiarization with volts, ohms, and milliammeters; and soldering techniques. Emphasis is on alignment, calibration, and repair of aircraft navigational equipment. *Version 1:* Instruction includes familiarization with semiconductor devices. *Version 2:* Instruction emphasizes aircraft navigational equipment alignment, calibration, and repair, with little time devoted to basic theoretical material.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 1 semester hour in electronics laboratory on the basis of institutional evaluation (3/74). *Version 2:* In the upper-division baccalaureate category, 1 semester hour in electronics laboratory on the basis of institutional evaluation (3/74). *Version 3:* In the upper-division baccalaureate category, 1 semester hour in electronics laboratory on the basis of institutional evaluation (3/74).

AF-1715-0070

USAF Security Service Systems Maintenance Technician
(Intercept Systems Maintenance Technician)
(USAFSS Systems Maintenance Technician)

Course Number: 5AZK30474.

Location: Security Service School, Goodfellow AFB, TX.

Length: 28 weeks (1080 hours).

Exhibit Dates: 4/68-12/73.

Objectives: To train maintenance personnel to perform maintenance on demultiplexers, demodulators, recorders, display equipment, and r-f receivers.

Instruction: Lectures and practical experience in AC circuit fundamentals; DC series and parallel circuits; resonance; filters; wave-shaping circuits; solid-state devices; vacuum tubes; binary logic; oscillators; multivibrators; power supplies; limiters; discriminators; detectors; receivers; r-f plumbing; system components functions; circuit troubleshooting with the oscilloscope. Emphasis is on demultiplexer, demodulator, recorder, receiver, and display equipment functional operation, maintenance, troubleshooting, and repair procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0071

AN/GPA-133 O/I Maintenance
(AN/GPA-133 F/O Maintenance)

Course Number: 3AZR30455; 2ASR30455.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS; 3380th Technical School, Keesler AFB, MS.

Length: 4-5 weeks (120-132 hours).

Exhibit Dates: 7/71-12/73.

Objectives: To train experienced technicians to maintain and repair closed-circuit TV systems.

Instruction: Lectures and practical exercises in closed-circuit TV maintenance and repair, including review of semiconductor devices and circuits; introduction to integrated circuits; circuit-by-circuit analysis; and video amplifier, sync generator, and sweep generator circuit operation.

Credit Recommendation: In the upper-division baccalaureate category, credit in electronics on the basis of institutional evaluation (3/74).

AF-1715-0072

1. AN/MRC-107A, I/O Maintenance
2. AN/MRC-107, I/O Maintenance (AN/MRC-107, F/O Maintenance)

Course Number: 3AZR30454-8.

Location: *Version 1:* School of Applied Aerospace Sciences, Keesler AFB, MS. *Version 2:* 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 6 weeks (224 hours). *Version 2:* 5-6 weeks (150-180 hours).

Exhibit Dates: *Version 1:* 4/73-12/73. *Version 2:* 9/68-3/73.

Objectives: To train enlisted personnel with basic electronics backgrounds to operate, maintain, and inspect the AN/MRC-107 radio transceiver.

Instruction: *All Versions:* Lectures and practical demonstrations in AN/MRC-107 radio transceiver operation, inspection, and maintenance, including schematic diagram use in explaining circuit operation, problem theorizing, and troubleshooting methods; balanced modulator, frequency divider, power amplifier control, and sidetone circuits operation; measurement of frequency stability, frequency response, distortion, and noise level; and use of signal generator, RF wattmeters, oscilloscopes, audio oscillator, output power meter, multimeter, frequency counter, frequency meter, wide band amplifier, VHF signal generator, sweep frequency generator, dummy load, RF simulator, and spectrum analyzer. *Version 1:* Instruction includes semiconductor theory and techniques, and use of latest equipment.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in electronics for non-engineering majors (3/74). *Version 2:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0073

Telautograph Transcriber Equipment Repairman

Course Number: AZR36330B.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 3 weeks (90 hours).

Exhibit Dates: 9/61-12/68.

Objectives: To train enlisted personnel to maintain, install, and repair telautograph transcriber equipment.

Instruction: Lectures and laboratories in operation of telautograph telescribers; theory of operation of receivers and transceivers; circuit operation and analysis; trouble analysis and corrective maintenance; and comparison of transistor and vacuum tube systems. Student uses circuit schematics and wiring diagrams, hand tools, special tools, and standard test equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0074

Intermediate and Organizational Maintenance, TSEC/HY-2, SEBIT-24 Modem, Crypto Control Unit, and Digital Subset

Course Number: 3AZR30650-2.

Location: 3275th Technical School, Lackland AFB, TX.

Length: 11 weeks (327 hours).

Exhibit Dates: 7/70-12/73.

Objectives: To train enlisted personnel to maintain and troubleshoot specific equipment associated with cryptographic systems.

Instruction: Lectures and laboratories in electrical fundamentals, with emphasis on qualitative description; troubleshooting, with emphasis on stereotyped procedures for specific crypto control units, digital subsets, and transmit, receive, and timing circuits; and use of test equipment, including oscilloscopes, multimeters, and signal generators.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0075

AN/TGC-14(V) Teletypewriter I & O Maintenance

Course Number: 3AZR36350-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 3 weeks (90 hours).

Exhibit Dates: 5/70-12/73.

Objectives: To train airmen to maintain the mechanical and electrical components of AN/TGC-14 teletypewriter sets.

Instruction: Lectures and practical exercises in the operational and mechanical analysis of equipment, mechanical adjustments, troubleshooting procedures, and repair and replacement of defective parts.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0076

Communications Systems Officer

Course Number: 3OBR3021.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 31 weeks (930 hours).

Exhibit Dates: 5/70-12/73.

Objectives: To train officers as communications systems officers.

Instruction: Lectures on electronic principles; use of technical publications; communications-electronics planning, programming, and management; communications security; and supervision and management of operations.

Credit Recommendation: Insufficient data for evaluation (3/74).

AF-1715-0077

1. SPECIAL MAINTENANCE 618S-1 SYSTEM
2. COLLINS 18S-4 RADIO SET

Course Number: *Version 1:* SS30170-12. *Version 2:* SS30170-11.

Location: 3310th Technical School, Scott AFB, IL.

Length: *Version 1:* 4 weeks (120 hours). *Version 2:* 3 weeks (90 hours).

Exhibit Dates: *Version 1:* 8/55-12/68. *Version 2:* 9/54-7/55.

Objectives: To train technicians to maintain, inspect, and repair the Collins HF liaison transceiver and antenna coupler.

Instruction: Lectures and practical exercises in familiarization with liaison radio system 618S-1, including operation and function, circuit analysis, troubleshooting procedures, maintenance, and performance testing.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0078

1. SPECIAL TRAINING, AN/ARC-21 HF LIAISON EQUIPMENT
   (Special Radio Maintenance Technician HF Liaison Equipment AN/ARC-21)
2. SPECIAL RADIO MAINTENANCE TECHNICIAN HF LIAISON EQUIPMENT AN/ARC-21

Course Number: SS30170-6.

Location: 3310th Technical School, Scott AFB, IL.

Length: *Version 1:* 6 weeks (180 hours). *Version 2:* 5 weeks (150 hours).

Exhibit Dates: *Version 1:* 6/55-12/68. *Version 2:* 10/54-5/55.

Objectives: To train airmen to perform required inspections, field and depot repairs, and maintenance on AN/ARC-21 liaison equipment.

Instruction: Lectures and practical exercises in familiarization with AM tube-type transmitter and receiver, including inspection, repair, maintenance, alignment, and troubleshooting using standard test equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0079

RADIO RELAY EQUIPMENT REPAIRMAN (FPTS)
(Radio Relay Equipment Repairman (FPTS)(AN/FRC-39 and AN/FRC-39A))
(Ground Communications Equipment Repairman(Heavy)(FPTS))

Course Number: AZR30450; AZR30453-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 4-7 weeks (120-210 hours).

Exhibit Dates: 9/60-12/68.

Objectives: To train radio equipment repairmen to operate, maintain, and repair forward propagation tropospheric scatter equipment.

Instruction: Lectures and practical exercises in forward propagation tropospheric scatter equipment operation, alignment, adjustment, maintenance, performance checks, and troubleshooting via meter readings, wave shapes and block, wiring, and schematic diagrams; telephone, telegraph, and auxiliary terminal equipment operation; scatter communications concepts and techniques; and radio system transmitter exciter, power amplifier, power supply, and receiver circuits operation, maintenance, and repair.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electronics laboratory (3/74).

AF-1715-0080

RADIO RELAY EQUIPMENT REPAIRMAN (WIDEBAND)

Course Number: AZR30430-4; ALR30430-3.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 12 weeks (360 hours).

Exhibit Dates: 5/65-12/68.

Objectives: To provide officers and enlisted personnel who have extensive backgrounds in electronics with training in wideband communications concepts and equipment.

Instruction: Lectures and practical experience in wideband communications systems fundamentals; telephone and telegraph terminal operational analysis, frequency plans, alignment, adjustment, maintenance, performance testing, and trouble analysis; microwave transceiver, power supplies, regulators, transmitting and receiving circuits, and auxiliary equipment operation, alignment, adjustment, maintenance, performance testing, and trouble analysis; and forward propagation tropospheric scatter equipment operation, maintenance, performance testing, and trouble analysis.

Credit Recommendation: In the upper-division baccalaureate category, credit in electronics laboratory on the basis of institutional evaluation (3/74).

AF-1715-0081

SPECIAL RADIO MAINTENANCE TECHNICIAN, AN/TRC-24 RADIO SET

Course Number: SS30470A-16.

Location: 3310th Technical School, Scott AFB, IL.

Length: 5 weeks (150 hours).

Exhibit Dates: 8/55-12/68.

Objectives: To train maintenance technicians to maintain and repair the AN/TRC-24 radio transmitter.

Instruction: Lectures and practical experience in AN/TRC-24 radio transmitter block-diagram analysis and troubleshooting procedures, and in radio installation, maintenance, and repair procedures.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0082

SPECIAL RADIO MAINTENANCE TECHNICIAN, RADIO RECEIVING SET, AN/ARN-31

Course Number: SS30170-14.

Location: 3310th Technical School, Scott AFB, IL.

Length: 2 weeks (60 hours).

Exhibit Dates: 6/55-12/68.

Objectives: To train skilled radio repairmen to maintain and repair AN/ARN-31 radio transceivers.

Instruction: Lectures and practical exercises in AN/ARN-31 radio transceiver maintenance and repair, with emphasis on troubleshooting procedures, trouble analysis, and tuning and alignment.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0083

SPECIAL TRAINING, AN/ARC-58 SINGLE SIDEBAND HF RADIO SET

Course Number: ATS30170-34.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 6 weeks (180 hours).

Exhibit Dates: 12/58-12/68.

Objectives: To train skilled radio repairmen to maintain and repair AN/ARC-58 single-sideband transceiver radio sets.

Instruction: Lectures and practical exercises in AN/ARC-58 single-sideband transceiver maintenance and repair, including block-diagram analysis and troubleshooting procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0084

SPECIAL RADIO MAINTENANCE TECHNICIAN AN/MRN-7 AND AN/MRN-8 INSTRUMENT LANDING SYSTEM

Course Number: SS-30470B-12.

Location: 3310th Technical School, Scott AFB, IL.

Length: 4 weeks (120 hours).

Exhibit Dates: 1/56-12/68.

Objectives: To train radio maintenance personnel to install, maintain, and repair AN/MRN-7 and AN/MRN-8 instrument landing system equipment.

Instruction: Lectures and practical exercises in AN/MRN-7 and AN/MRN-8 instrument landing system installation, maintenance, and repair, including circuit and block-diagram analysis and troubleshooting procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0085

1. RADIO RELAY EQUIPMENT REPAIRMAN (MICROWAVE AND ASSOCIATED RELAY CENTER EQUIPMENT)
2. RADIO RELAY EQUIPMENT REPAIRMAN (MICROWAVE)
3. RADIO RELAY EQUIPMENT REPAIRMAN (MICROWAVE)
   (Radio Relay Repairman (Microwave))

Course Number: *Version 1:* ABR30430A. *Version 2:* ABR30430A. *Version 3:* AB30430A.

Location: *Version 1:* 3380th Technical School, Keesler AFB, MS. *Version 2:* 3380th Technical School, Keesler AFB, MS. *Version 3:* 3310th Technical School, Scott AFB, IL.

Length: *Version 1:* 36 weeks (990 hours). *Version 2:* 32 weeks (870 hours). *Version 3:* 22 weeks (570 hours).

Exhibit Dates: *Version 1:* 8/59-12/68. *Version 2:* 8/58-7/59. *Version 3:* 7/55-7/58.

Objectives: To train enlisted personnel to install, test, maintain, and repair microwave, multiplexing, and radio relay equipment.

Instruction: *All Versions:* Lectures and practical exercises in trigonometry, DC and AC circuit analysis, electronic fundamentals, power supplies, amplifiers, oscillators, microwave propagation, multiplexing and microwave radio relay equipment, motor and servo mechanisms. *Version 1:* Motor and servo mechanisms; semiconductor devices and circuits.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 4 semester hours in electricity and electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 2:* In the upper-division baccalaureate category, 4 semester hours in electricity and electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 3:* In the upper-division baccalaureate category, credit in electricity and electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0086

Defensive System Trainer Specialist (AN/ALQ-T4(V))

Course Number: 3ALR34251B-1; ALR34251B-1.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 12 weeks (360 hours).
Exhibit Dates: 7/64–12/73.
Objectives: To train enlisted personnel with basic electronics backgrounds to operate and maintain the T-4 electronic countermeasures trainer.
Instruction: Lectures and laboratories in TV simulator functions for AM, FM, ICW, IFF, and radar; programmer control; tubes, including biasing methods and types; amplifiers, including audio, video, push-pull, and paraphase amplifiers, their classes of operation and methods of coupling; R-C networks; CRTs; transistors, including construction, symbols, biasing, voltage nomenclature, and CB, CE, and CC amplifiers; oscillators; multivibrators, including monostable, bistable, astable (plate, cathode, collector-coupled) for both tube and transistor types; precision cathode followers; power supplies, including half and full wave, and bridge rectifiers, polyphase rectifiers, filtering, and ripple; operation of Tektronix 545 oscilloscope; limiters and clampers; receivers, including crystal, TRF, and superhetrodyne; introduction to radar, including power, distance measurement, FM, frequency shift and pulse systems; radar pulse characteristics; types of radar scan patterns; operation of TV trainer, emphasizing understanding of trainer through application of theory; and operation of equipment, including trainer, Tektronix 545 scope, flukameter differential voltmeter, VTUM, multitester, tube tester, and electronic counter.
Credit Recommendation: In the upper-division baccalaureate category, credit in electronics laboratory on the basis of institutional evaluation (3/74).

AF-1715-0087

1. Manual Central Office Equipment Specialist
2. Manual Central Office Equipment Specialist
   (Central Office Equipment Specialist (Manual))
3. Manual Central Office Equipment Specialist
   (Central Office Equipment Specialist (Manual))

Course Number: *Version 1:* ABR36230. *Version 2:* ABR36230; AB36230. *Version 3:* ABR36230; AB36230. *Version 4:* AB36230.
Location: *Version 1:* 3750th Technical School, Sheppard AFB, TX. *Version 2:* 3750th Technical School, Sheppard AFB, TX. *Version 3:* 3450th Technical School, Warren AFB, WY. *Version 4:* 3450th Technical School, Warren AFB, WY.
Length: *Version 1:* 15 weeks (420 hours). *Version 2:* 16 weeks (450 hours). *Version 3:* 16 weeks (450 hours). *Version 4:* 26 weeks (780 hours).
Exhibit Dates: *Version 1:* 8/61–12/68. *Version 2:* 5/57–5/57. *Version 3:* 5/57–5/57. *Version 4:* 9/54–4/57.
Objectives: To train enlisted personnel to maintain and repair central office telephone equipment.
Instruction: Lectures and practical experience in basic AC and DC circuits, cental office telephone servicing techniques, and specific central office telephone equipment maintenance techniques.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0088

Ground Radio Communications Equipment Technician

Course Number: AAR30474.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 39 weeks (1170 hours).
Exhibit Dates: 12/63–12/68.
Objectives: To train enlisted personnel to install, maintain, and repair communications equipment.
Instruction: Lectures and laboratories in applied mathematics; AC and DC circuits; vacuum tubes and solid-state devices; power supplies; oscillators; digital data processing; and analysis, maintenance, and repair of various functional electrical circuits.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in electricity or electronics (3/74), 2 in shop management (12/68), and additional credit in electrical and radio laboratory on the basis of institutional evaluation (3/74).

AF-1715-0089

Operation and Maintenance of MD-1 Astro Compass Test Equipment

Course Number: ATS42353-22.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 10 weeks (300 hours).
Exhibit Dates: 9/61–12/68.
Objectives: To train maintenance personnel in MD-1 astrocompass test equipment operation and maintenance.
Instruction: Lectures and practical exercises in astrocompass test equipment operation and maintenance, including description, calibration, and certification of amplifier subassembly tester; various amplifier tests and equipment required; and gyro, astrotracker, and altitude-azimuth computer tests and test equipment operation.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (3/74).

AF-1715-0090

Calibration and Maintenance of the Shaw-Estes Test Stand

Course Number: SS42250-27.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 3 weeks (90 hours).
Exhibit Dates: 5/58–12/68.
Objectives: To provide maintenance and instructor personnel with training on the Shaw-Estes test stand.
Instruction: Lectures and practical exercises in test facility familiarization; constructional details and analysis of pyrometer potentiometer operation; preventive maintenance, trouble analysis, and calibration; and operation, test, and adjustment of strobotach, tailpipe pyrometer, and vibration meter.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (3/74).

AF-1715-0091

Airborne Weather Equipment Technician

Course Number: SS25170-3.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 5 weeks (150 hours).
Exhibit Dates: 3/58–12/68.
Objectives: To prepare airmen for assignment to duty as airborne weather technicians.
Instruction: Lectures and practical exercises in airborne weather equipment, circuit analysis of radiosonde receptor AN/AMR-1 and radiosonde dispenser AN/AME-1, and alignment and calibration of airborne weather equipment.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (3/74).

AF-1715-0092

FB-111 Central Air Data Computer (CADC) Test Station Technician

Course Number: 3ALR32571.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 5 weeks (162 hours).
Exhibit Dates: 2/69–12/73.
Objectives: To train enlisted personnel to repair Central Air Data Computer (CADC) test stations.
Instruction: Lectures and practical exercises in theory, operation, inspection, and verification of aerospace ground equipment data for performing maintenance; technical publications; ground safety; security; and corrosion control.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (3/74).

AF-1715-0093

Jet Engine Vibration Analyzer Maintenance (Sperry)

Course Number: ATS42350-63.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 3 weeks (90 hours).
Exhibit Dates: 10/61–12/68.
Objectives: To train enlisted personnel to repair Sperry jet engine analyzers.
Instruction: Lectures and practical exercises in the description, installation, application, maintenance, and calibration of engine analyzer components; review of electronic principles; maintenance of analyzer circuits; and calibration of analyzers.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (12/68).

AF-1715-0094

Control System Technician/Mechanic (SM-65F)

Course Number: ATS31270P-5.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 12 weeks (480 hours).
Exhibit Dates: 5/61–12/68.
Objectives: To train enlisted personnel as control system mechanics.
Instruction: Lectures and practical exercises in binary arithmetic, transistor theory, Boolean algebra, computer logic, special circuit theory, servomechanism theory,

weapon system operational concepts, and flight control system basic theory and fundamentals.

Credit Recommendation: In the upper-division baccalaureate category, credit in electricity or electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0095

OPERATOR AND OPERATION MAINTENANCE OF AC SYSTEM TESTER, MODEL T-35

Course Number: ATS42350-57.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 3 weeks (90 hours).

Exhibit Dates: 5/59-12/68.

Objectives: To train enlisted personnel in the operation and maintenance of T-35 testers.

Instruction: Lectures and practical exercises in panel checking, calibration equipment, troubleshooting, and aircraft electrical power systems testing.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (3/74).

AF-1715-0096

ELECTRONIC TEST EQUIPMENT CALIBRATION AND REPAIR (TEKTRONIX)

Course Number: AZR32470-1.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 3 weeks (90 hours).

Exhibit Dates: 3/66-12/68.

Objectives: To train technicians in troubleshooting and malfunction-elimination techniques.

Instruction: Practical experience in electronic test equipment calibration and repair, circuit analysis, maintenance, and repair.

Credit Recommendation: Credit is not recommended because of the limited technical nature of the course (3/74).

AF-1715-0097

CONTROL ROOM INSTRUMENTATION, JET ENGINE TEST FACILITY

Course Number: ATS42250-37.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 3 weeks (90 hours).

Exhibit Dates: 5/61-12/68.

Objectives: To train key maintenance and instructor personnel in the instrumentation of jet engine test facilities.

Instruction: Lectures and practical experience in electrical principles; test facilities; and pyrometer potentiometer construction, circuit analysis, operational testing and adjustment, and preventive maintenance.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (3/74).

AF-1715-0098

F-111 COMMUNICATIONS GUIDANCE TEST STATIONS TECHNICIAN

Course Number: ALR30170.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 13-16 weeks (390-480 hours).

Exhibit Dates: 6/66-12/68.

Objectives: To train enlisted personnel as communications and guidance test stations technicians.

Instruction: Lectures and practical experience in electronics, shop management and maintenance, circuit analysis, and transmitter operation.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0099

AN/TSC-38B I/O MAINTENANCE

Course Number: 3AZR30454-14.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 6 weeks (180 hours).

Exhibit Dates: 9/71-12/73.

Objectives: To train enlisted personnel in AN/TSC-38B telephone system maintenance and troubleshooting techniques.

Instruction: Lectures and practical exercises in AN/TSC-38B telephone system maintenance and troubleshooting, including theory of operation, circuit analysis, maintenance procedures for functional circuitry, and performance checks, alignment and troubleshooting techniques.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0100

DIAL CENTRAL OFFICE EQUIPMENT SPECIALIST

Course Number: ABR36231; AB36231.

Location: 3750th Technical School, Sheppard AFB, TX; 3450th Technical School, Warren AFB, WY.

Length: 16 weeks (450 hours).

Exhibit Dates: 5/58-12/68.

Objectives: To train airmen to test, maintain, and repair dial central office telephone equipment.

Instruction: Lectures and practical experience in electrical circuits fundamentals, automatic telephony and circuit analysis, central office equipment maintenance, and relay and switch adjustment.

Credit Recommendation: In the upper-division baccalaureate category, credit in electricity or electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0101

DIAL CENTRAL OFFICE EQUIPMENT MECHANIC/TECHNICIAN (SM-68)

Course Number: ATS36251-5.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 3-4 weeks (120 hours).

Exhibit Dates: 4/61-12/68.

Objectives: To train airmen to maintain and repair ballistic missile communications system equipment.

Instruction: Lectures and practical exercises in central office ballistic missile communications system equipment maintenance and repair, including weapon system and missile safety; circuit symbols; console, line, and pallet circuits and adapters; computer and radar maintenance; public address systems; amplifiers; relay introduction and adjustments; rotary switch adjustments; and testing and troubleshooting procedures.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0102

AUTOMATIC TELETYPE AND ELECTRONIC SWITCHING SYSTEMS REPAIRMAN

(Electronic Communications and Cryptographic Systems Equipment Repairman (Automatic Teletype))

Course Number: ABR362322; ABR30630A.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 35-36 weeks (960-990 hours).

Exhibit Dates: 9/60-12/68.

Objectives: To train enlisted personnel to perform corrective and preventive maintenance and repair on automatic teletype and electronic switching systems and equipment.

Instruction: *All Versions:* Lectures and practical exercises in principles of electricity, including AC and DC circuits, motors, and rectifiers; vacuum tube circuits; amplifiers; basic pulse techniques; teletype system principles; and central office switching techniques. *Version 1:* Instruction includes basic semiconductor theory.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0103

AIRCRAFT CONTROL AND WARNING RADAR REPAIRMAN (AN/FPS-3, AN/FPS-6)

(Aircraft Control and Warning Radar Repairman (AN/FPS-3, AN/FPS-6 and IFF))

Course Number: ABR30332-2; AB30332C-1; AB30332C.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 29-35 weeks (840-960 hours).

Exhibit Dates: 10/54-12/68.

Objectives: To train enlisted personnel in the operation, tuning, alignment, inspection, organizational maintenance, and repair of aircraft control and warning radar equipment.

Instruction: Lectures and practical exercises in aircraft control and warning radar equipment operation, inspection, maintenance, and repair, including AC and DC circuit theory, electron tubes and power supplies; amplifiers and oscillators; transistors; special circuits, including clippers, clampers, and multivibrators; radar microwave propagation; and special radar circuits and units.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0104

AIRCRAFT CONTROL AND WARNING RADAR REPAIRMAN (AN/CPS-1, AN/CPS-4, AN/CPS-5 AND IFF)

Course Number: AB30332A.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 28 weeks (840 hours).

Exhibit Dates: 10/54-12/68.

Objectives: To train enlisted personnel in aircraft control and warning radar system operation, tuning, alignment, and organizational maintenance.

Instruction: Lectures and practical exercises in aircraft control and warning radar system operation, tuning, alignment, and organizational maintenance, including AC and DC circuit theory; electron tubes and power supplies; amplifiers and oscillators; transistors; special circuits, including clippers, clampers, and multivibrators; radar microwave propagation; and special radar circuits and units.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electronics (3/74).

AF-1715-0105

AIRCRAFT CONTROL AND WARNING RADAR REPAIRMAN (AN/FPS-8 AND AN/FPS-4)

Course Number: ABR30332-3.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 30 weeks (840 hours).

Exhibit Dates: 5/59-12/68.

Objectives: To train enlisted personnel in the operation, tuning, alignment, inspection, organizational maintenance, and repair of aircraft control and warning radar equipment.

Instruction: Lectures and practical exercises in radar equipment operation, inspection, maintenance, and repair, including AC and DC circuit theory; electron tubes and power supplies; amplifiers and oscillators; transistors; special circuits, including clippers, clampers, and multivibrators; radar microwave propagation; and special radar circuits and units.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0106

AN/FSQ-7 (SAGE) MAINTENANCE

Course Number: 3AZR30554A.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 13 weeks (390 hours).

Exhibit Dates: 3/71-12/73.

Objectives: To train enlisted personnel to perform intermediate and organizational maintenance on the AN/FSQ-7 (SAGE) computer system.

Instruction: Lectures and practical exercises in AN/FSQ-7 (SAGE) computer system theory of operation, program instructions analysis, program print-outs interpretation, logic analysis, and troubleshooting procedures.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (3/74).

AF-1715-0107

RADIO RELAY EQUIPMENT REPAIRMAN (RELAY CENTER EQUIPMENT)

Course Number: ABR30430D.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 28 weeks (750 hours).

Exhibit Dates: 8/58-12/68.

Objectives: To train enlisted personnel at the apprentice level to install, maintain, and repair relay center equipment.

Instruction: Lectures and laboratories in basic DC and AC circuit theory, including Ohm's and Kirchoff's laws, RC and RL transients, and resonant circuits; power supplies; amplifiers; oscillators; special circuits; and special ground communications equipment.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0108

BALLISTIC MISSILE CHECKOUT EQUIPMENT SPECIALIST, WS-133B

Course Number: ABR31235G-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 44 weeks (1230 hours).

Exhibit Dates: 4/65-12/68.

Objectives: To train enlisted personnel to maintain and repair ballistic missile test equipment.

Instruction: Lectures and laboratories in DC and AC circuits, vacuum tubes and transistors, and computer theory and technology.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0109

ELECTRONIC DIGITAL DATA PROCESSING REPAIRMAN (INPUT-OUTPUT/465L CONCENTRATOR)

Course Number: ABR30531-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 37 weeks (1020 hours).

Exhibit Dates: 1/63-12/68.

Objectives: To train enlisted personnel to maintain and repair electronic digital data processing equipment.

Instruction: Lectures and laboratories in DC and AC circuits; vacuum tubes and solid-state devices; electronic circuits, motors, and servos; pulse and timing circuits; Boolean algebra and logic gates; and computer circuits.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electronics, 2 in digital electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0110

ELECTRONIC DIGITAL DATA PROCESSING REPAIRMAN (DATA PROCESSING EQUIPMENT/412L)

Course Number: *Version 1:* 3AZR30551-2. *Version 2:* ABR30531-5.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 20 weeks (588 hours). *Version 2:* 42-43 weeks (1170-1200 hours).

Exhibit Dates: *Version 1:* 8/68-12/73. *Version 2:* 7/63-7/68.

Objectives: To train enlisted personnel to inspect and maintain data processing equipment associated with 412L air weapons systems.

Instruction: Lectures and laboratories in DC and AC circuits; vacuum tubes and solid-state devices; electronic circuits, motors, and servos; pulse and timing circuits; Boolean algebra and logic gates; and computer circuits.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 4 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in electronics, 2 in digital systems, and, on the basis of institutional evaluation, credit in electrical laboratory (3/74).

AF-1715-0111

AIRCRAFT CONTROL AND WARNING RADAR REPAIRMAN, AN/FST-2

Course Number: ABR30332G; AB30332G.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 37-39 weeks (1020-1080 hours).

Exhibit Dates: 3/58-12/68.

Objectives: To train enlisted personnel to install, check out, and maintain aircraft control and warning radar equipment.

Instruction: Lectures and laboratories in AC and DC circuits, electronic circuit fundamentals, basic digital computer theory and circuits, microwave techniques, and measurements.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electronics (3/74).

AF-1715-0112

BUIC III OPERATOR

Course Number: 3AZR27330.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 6 weeks (180 hours).

Exhibit Dates: 1/70-12/73.

Objectives: To train enlisted personnel to perform as surveillance operators at BUIC installations.

Instruction: Lectures and practical exercises in BUIC system fundamentals, positional operation of surveillance operator consoles, and the operation of manual data equipment.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (3/74).

AF-1715-0113

BUIC III AIR SURVEILLANCE FOR RADAR INPUTS COUNTERMEASURES OFFICER/TECHNICIAN

Course Number: 3OLR1741D-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 3-4 weeks (90-120 hours).

Exhibit Dates: 1/70-12/73.

Objectives: To train personnel to perform as air surveillance officers at BUIC III installations.

Instruction: Lectures and practical exercises in BUIC system fundamentals and air surveillance, weapons, and simulation operations.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (3/74).

AF-1715-0114

BUIC III OPERATOR

Course Number: 3AZR27630.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 5 weeks (150 hours).

Exhibit Dates: 8/71-12/73.

Objectives: To train enlisted personnel to perform as air surveillance operators at BUIC installations.

Instruction: Lectures and practical exercises in BUIC system fundamentals, positional operation of surveillance operator consoles, and operation of manual data equipment.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (3/74).

AF-1715-0115

AIRCRAFT CONTROL AND WARNING RADAR REPAIRMAN (AN/FPS-20 AND AN/FPS-6)

Course Number: AB30332C-2.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 39 weeks (1080 hours).

Exhibit Dates: 3/58-12/68.

Objectives: To train airmen to operate, tune, align, inspect, maintain, and repair

AN/FPS-20 and AN/FPS-6 aircraft control and warning radar equipment.

Instruction: Lectures and practical experience in aircraft control and warning radar equipment operation, tuning, alignment, inspection, maintenance, and repair, including AC and DC circuit theory, electron tubes and power supplies, amplifiers and oscillators, transistors, radar microwave propagation, special circuits and units, and clippers, clampers, and multivibrators.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electricity or electronics (3/74).

AF-1715-0117

1. Fire Control Systems Mechanic (F-100A/C/D/F: MA-3, ASG-17 Systems)
2. Fire Control Systems Mechanic (MA-3, ASG-17 Systems)
   (Offensive Fire Control Systems Mechanic (MA-3, ASG-17 Systems))
   (Fire Control Systems Mechanic (MA-1,2,3 GBR Sight Systems))
3. Fire Control Systems Mechanic (MA-1, MA-2, MA-3 Systems)
4. Fire Control Systems Mechanic (MA-1, MA-2, MA-3 Systems)

Course Number: *Version 1:* 3ABR32230B. *Version 2:* ABR32230B. *Version 3:* ABR32230B. *Version 4:* AB32230B.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 22 weeks (618 hours). *Version 2:* 29-34 weeks (840-930 hours). *Version 3:* 37 weeks (1020 hours). *Version 4:* 23-26 weeks (690 hours).

Exhibit Dates: *Version 1:* 1/69-12/73. *Version 2:* 9/60-12/68. *Version 3:* 6/59-8/60. *Version 4:* 5/54-5/59.

Objectives: To train airmen to install, check, and maintain offensive fire control systems.

Instruction: *All Versions:* Lectures and practical exercises in low-altitude bombing systems, motors, and servomechanism principles, and radar principles, including transmitters, system components, maintenance, and troubleshooting procedures. *Version 1:* Instruction includes offensive fire control problems, including components, special tools, maintenance management, communication security, safety procedures, and sight system power supplies, adjustments, alignments, and troubleshooting procedures. *Version 2:* Instruction includes electricity fundamentals, including AC and DC circuits, vacuum tubes and transistors, and solid-state devices; amplifiers and oscillators; power supplies, motors, and servo mechanisms; microwave principles; and pulse, reactive, multivibrator, sweep, and logic circuits. *Version 3:* Instruction includes bombing computers, sight system maintenance, repair, and trouble analysis. *Version 4:* Instruction includes electricity fundamentals, including AC current fundamentals; vacuum and gas-filled tubes, power supplies, and voltage regulators; amplifiers, oscillators, and sweep generators; oscilloscope; and radar system components, circuits, calibration, and maintenance.

Credit Recommendation: *Version 1:* Insufficient data for evaluation (3/74). *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 4:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0118

Aircraft Control and Warning Radar Repairman (AN/TPS-1D, AN/TPS-10D)
(Aircraft Control and Warning Radar Repairman (AN/TPS-1D, AN/TPS-10D and IFF))

Course Number: ABR303321-1; AB30332B.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 28-34 weeks (810-930 hours).

Exhibit Dates: 10/54-12/68.

Objectives: To train enlisted personnel to operate, maintain, and repair aircraft control and warning radar equipment.

Instruction: Lectures and laboratories in development and application of electronic principles, circuit theory, circuit testing, shop practices, performance logs, maintenance records, and system maintenance. Credit should be granted for circuit theory and analysis courses only.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electronics (3/74).

AF-1715-0119

Digital Subscriber Terminal Maintenance

Course Number: 3ALR30630F.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 19 weeks (570 hours).

Exhibit Dates: 10/70-12/73.

Objectives: To train enlisted personnel to maintain electronic communications and cryptographic systems equipment.

Instruction: Lectures and practical exercises in logic circuits, operational analysis, troubleshooting, repair, and adjustment of digital subscriber terminal equipment.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in computers or data processing equipment (3/74).

AF-1715-0120

1. Radio Relay Equipment Repairman (Carrier and Antrac Equipment)
2. Radio Relay Equipment Repairman (Carrier and Antrac Equipment)
3. Radio Relay Equipment Repairman (Carrier)
4. Radio Relay Equipment Repairman (Carrier)
5. Radio Relay Equipment Repairman (Carrier)
   (Carrier Repeater Mechanic)

Course Number: *Version 1:* ABR30430B. *Version 2:* ABR30430B. *Version 3:* ABR30430B. *Version 4:* AB30430B. *Version 5:* AB30430B; AB36231.

Location: *Version 1:* 3380th Technical School, Keesler AFB, MS. *Version 2:* 3380th Technical School, Keesler AFB, MS. *Version 3:* 3380th Technical School, Keesler AFB, MS. *Version 4:* 3310th Technical School, Scott AFB, IL. *Version 5:* 3310th Technical School, Scott AFB, IL; 3450th Technical School, Warren AFB, WY.

Length: *Version 1:* 34 weeks (930 hours). *Version 2:* 36 weeks (990 hours). *Version 3:* 30 weeks (810 hours). *Version 4:* 25 weeks (720 hours). *Version 5:* 16-17 weeks (480 hours).

Exhibit Dates: *Version 1:* 2/60-12/68. *Version 2:* 9/59-1/60. *Version 3:* 8/58-8/59. *Version 4:* 3/56-7/58. *Version 5:* 3/54-2/56.

Objectives: To train enlisted personnel to install, inspect, and maintain carrier and antrac radio relay equipment.

Instruction: Lectures and laboratories in DC and AC fundamentals, including Ohm's law, Kirchoff's law and phaser analysis; principles of vacuum tubes and transistors; electron tubes and power supplies; amplifiers and oscillators; carrier telegraph terminal principles; frequency modulation transmitter and receiver principles and radio relay systems.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 4:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 5:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0121

Ground ECM Specialist

Course Number: ABR30330; AB30330.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 29-33 weeks (840-900 hours).

Exhibit Dates: 6/56-12/68.

Objectives: To train enlisted personnel to operate and maintain ground electronic countermeasures receivers, panoramic adaptors, pulse analyzers, direction finders, cameras, recorders, and associated test equipment.

Instruction: Lectures and laboratories in development and application of electronic principles, circuit theory, circuit testing, shop practices, performance logs and maintenance records, simulated ground ECM operations, and electronic analysis of intercepted signals.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in electricity and electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0122

Radio Relay Equipment Repairman (AN/TRC)

Course Number: *Version 1:* ABR30430C. *Version 2:* AB30430C.

Location: *Version 1:* 3380th Technical School, Keesler AFB, MS. *Version 2:* 3310th Technical School, Scott AFB, IL.

Length: *Version 1:* 30 weeks (810 hours). *Version 2:* 17-19 weeks (480-540 hours).

Exhibit Dates: *Version 1:* 8/58-12/59. *Version 2:* 10/55-7/58.

Objectives: To train enlisted personnel at the apprentice level to maintain and repair UHF radio equipment.

Instruction: *All Versions:* Lectures and laboratories in maintenance, adjustment, tuning operation, and repair of radio relay communications systems, radio relay transmitting equipment, and radio relay receiving equipment. *Version 1:* Includes DC and AC circuits, basic electronics, electron tubes and power supplies, amplifiers and oscillators, and radio electronics.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0123

Communications and Relay Center Equipment Repairman Electro-Mechanical (TSEC/KW-9)

(Communications and Relay Center Equipment Repairman TSEC/KW-9)

Course Number: ABR36330A.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 33-37 weeks (900-1020 hours).

Exhibit Dates: 4/59-12/68.

Objectives: To train enlisted personnel as apprentice communications and relay center equipment repairmen.

Instruction: Lectures and laboratories in electrical fundamentals and circuit construction for the purpose of maintaining and repairing electromechanical equipment, including teletypewriters, typing reperforators, crypto equipment and relay center equipment.

Credit Recommendation: In the upper-division baccalaureate category, credit in electricity or electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0124

F-111 Penetration Aids Test Stations Technician

Course Number: ALR30173.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 18-21 weeks (540-630 hours).

Exhibit Dates: 8/66-12/68.

Objectives: To train enlisted personnel to operate, inspect, and maintain penetration aids test station aerospace ground equipment.

Instruction: Lectures and practical exercises in penetration aids test station equipment operation, inspection, and maintenance, including infrared receiver set familiarization and circuit analysis; radar homing and warning system familiarization; AGERD 6812 and AGERD 6811 operation, block diagram analysis, circuit analysis, maintenance, and calibration; and RHAW system circuit analysis.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (3/74).

AF-1715-0125

Intermediate/Organizational (I/O) Maintenance M-37 ASR Low Level Keying

Course Number: 3AZR36350-5.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 5 weeks (150 hours).

Exhibit Dates: 7/72-12/73.

Objectives: To train enlisted personnel to maintain and repair M-37 ASR teletype equipment.

Instruction: Lectures and practical exercises in M-37 teletype equipment maintenance, including keyboard theory and adjustments; printer and associated components operation theory, disassembly, reassembly, and adjustments; reader and reperforator operation theory and adjustment; logic introduction; M-37 operational analysis; and troubleshooting the reperforator, tape reader, and electronic operations.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (3/74).

AF-1715-0126

Scope Control System Organizational/Intermediate (O/I) Maintenance

(Scope Control System Field/Organizational (F/O) Maintenance)

Course Number: 3AZR30454-11.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS; 3380th Technical School, Keesler AFB, MS.

Length: 9 weeks (270 hours).

Exhibit Dates: 1/71-12/73.

Objectives: To train enlisted personnel to operate and maintain scope control system equipment.

Instruction: Lectures in scope control system equipment characteristics, block-diagram and circuit analysis, troubleshooting procedures, malfunction isolation procedures, alignment, adjustment and descriptive system analysis.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0127

Field and Organizational (F & O) Maintenance, TSEC/KL-7

Course Number: 3AZR36350; AZR36350.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 3 weeks (90 hours).

Exhibit Dates: 6/67-12/73.

Objectives: To train enlisted personnel to install, adjust, and maintain KL-7 equipment.

Instruction: Lectures and practical exercises in mechanical operation, adjustment and preventive maintenance, circuit analysis, and troubleshooting procedures.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (3/74).

AF-1715-0128

TEMPEST for Systems Design Engineer

Course Number: 3OZR2825-7.

Location: School of Applied Aerospace Sciences, Lackland AFB, TX.

Length: 3 weeks (117 hours).

Exhibit Dates: 5/73-12/73.

Objectives: To train communication systems engineers to design and engineer communications systems in accordance with TEMPEST directives.

Instruction: Lectures on communication security communications center layout, distribution frames and patching facilities, power requirements, grounding systems, and a simulated TEMPEST site survey.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (3/74).

AF-1715-0129

Weapons Fusing System Specialist

Course Number: ABR33130.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 43 weeks (1200 hours). *Version 2:* 41 weeks (1080 hours).

Exhibit Dates: *Version 1:* 3/60-12/68. *Version 2:* 3/59-2/60.

Objectives: To train enlisted personnel to perform as nuclear weapons fusing specialists.

Instruction: *All Versions:* Lectures and practical exercises in electronics fundamentals, including DC circuits, motors, and generators; series circuits, parallel circuits, and series-parallel combinations; magnetism; induction, inductive reactance, and capacitive reactance; vacuum tubes; diode, triode, tetrode, and pentode; various amplifier systems; oscillators; synchros and servomechanisms; bridge circuits, RLC combination circuits, counting and heterodyning circuits; and mathematics fundamentals. *Version 1:* Instruction includes transmission lines, microwave oscillators, transistor amplifiers and oscillators, FM principles, and semiconductor fundamentals.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 4 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 2:* In the upper-division baccalaureate category, 4 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0130

Weapons Mechanic—TAC/ANG-RES

Course Number: 3ABR46230-7.

Location: School of Applied Aerospace Sciences, Lowry AFB, CO.

Length: 12 weeks (434 hours).

Exhibit Dates: 2/73-12/73.

Objectives: To train enlisted personnel to inspect, electrically and mechanically test, maintain, troubleshoot, and load and unload aircraft weapons and weapons systems.

Instruction: Lectures and practical exercises in weapons launching and inspection systems, maintenance management, safety, nuclear and nonnuclear munitions, loading and unloading techniques, security, use of test equipment, and fundamentals of electricity.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (3/74).

AF-1715-0131

AN/GPA-125 Coder-Decoder, Organizational/Intermediate (O/I) Maintenance

Course Number: 3AZR30372-22.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS.

Length: 2 weeks (80 hours).

Exhibit Dates: 1/73-12/73.

Objectives: To provide enlisted personnel with supplemental training in coder-decoder organizational and intermediate maintenance.

Instruction: Lectures and practical exercises in coder-decoder maintenance, including analysis and performance checks of system timing, test panel, and mode 4 enable circuits, and digital techniques and logic symbology.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (3/74).

AF-1715-0132

Communications and Relay Center Equipment Repairman, Electromechanical

Course Number: *Version 1:* 3ABR36330. *Version 2:* 3ABR36330; ABR36330. *Version 3:* ABR36330.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 31-33 weeks (930-990 hours). *Version 2:* 33-34 weeks (930 hours). *Version 3:* 33 weeks (900 hours).

Exhibit Dates: *Version 1:* 5/71-12/73. *Version 2:* 6/66-4/71. *Version 3:* 2/64-5/66.

Objectives: To train enlisted personnel in communication and information relay center teletype unit troubleshooting, maintenance, and repair.

Instruction: *All Versions:* Lectures and practical experience in teletype unit troubleshooting, maintenance, and repair, including AC and DC circuit fundamentals, series-parallel and RLC circuits, and voltage regulators. *Version 1:* Instruction includes solid-state physics and devices, rectifiers and filters, principles of amplification, power amplifiers, oscillators and multivibrators, number systems, truth tables, Boolean equations, counters and resistors, and AC and DC motors and generators. *Version 2:* Instruction includes solid-state physics and devices, rectifiers and filters, principles of amplification, power amplifiers, oscillators and multivibrators, number systems, truth tables, Boolean equations, counters and resistors, and AC and DC motors and generators. *Version 3:* Instruction includes solid-state power supplies; transistors and transistor multivibrators; logic mathematics and logic circuits; and audio, video, and push-pull amplifiers.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics (3/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in electricity or electronics, and additional credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 3:* In the upper-division baccalaureate category, credit in electricity or electronics on the basis of institutional evaluation (3/74).

AF-1715-0133

GUIDED MISSILE OPERATIONS OFFICER (TM-76A)

Course Number: OBR1821-1.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 20 weeks (600 hours).

Exhibit Dates: 12/60-12/68.

Objectives: To train officers in guided missile operations.

Instruction: Lectures on air armament management; TM-76A weapons, propulsion, and flight control systems; missile preflight test pack; launch area operations; nuclear weapons orientation; principles of electronics; AC and DC fundamentals; and electronic power supplies.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electricity and electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0134

MISSILE ELECTRICAL SPECIALIST/TECHNICIAN, SM-68B

Course Number: ATS44150F-3.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 7 weeks (210 hours).

Exhibit Dates: 1/62-12/68.

Objectives: To train enlisted personnel to maintain missile electrical systems and associated test equipment.

Instruction: Lectures and practical exercises in missile electrical systems and electrical equipment, ground equipment operation, installation exercise test sets and battery simulators.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0135

CONTROL SYSTEM MECHANIC/TECHNICIAN, SM-68

Course Number: ATS31270P-2.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 13 weeks (390 hours).

Exhibit Dates: 3/61-12/68.

Objectives: To train enlisted personnel to repair ballistic missile control systems.

Instruction: Lectures and practical exercises in flight control system equipment maintenance; missile hydraulic and flight control system operation, maintenance, and testing procedures; signal tracing; and power supply fundamentals.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0136

1. MISSILE ELECTRICAL SPECIALIST (LGM-25)
2. MISSILE ELECTRICAL SPECIALIST (SM-68B)

Course Number: *Version 1:* ABR44130F-1. *Version 2:* ABR44130F.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 17-18 weeks (480-510 hours). *Version 2:* 6 weeks (180 hours).

Exhibit Dates: *Version 1:* 5/66-12/68. *Version 2:* 9/62-4/66.

Objectives: To train enlisted personnel to repair LGM-25 and SM-68B missile electrical systems.

Instruction: *All Versions:* Lectures and practical exercises in missile electrical system and equipment operation, circuit analysis, inspection, and maintenance; aerospace ground equipment electrical systems repair, functional analysis, operation and inspection; stage I and II engine electrical system circuit analysis, operation, and maintenance; AC and DC circuit theory and operation; safety procedures and equipment; and technical publications. *Version 1:* LGM-25 missile electrical system operation and maintenance. *Version 2:* SM-68B missile electrical system operation and maintenance.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in electricity or electrical laboratory on the basis of institutional evaluation (3/74). *Version 2:* In the upper-division baccalaureate category, credit in electricity or electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0137

1. MISSILE SYSTEMS MAINTENANCE SPECIALIST (LGM-25)
   (Missile Guidance and Control Specialist (LGM-25))
2. MISSILE GUIDANCE AND CONTROL SPECIALIST (LGM-25)

Course Number: *All Versions:* 3ABR31631F. *Version 2:* ABR31631F.

Location: *Version 1:* School of Applied Aerospace Sciences, Sheppard AFB, TX. *All Versions:* 3750th Technical School, Sheppard AFB, TX.

Length: ; 3750th Technical School weeks (678 hours)*Version 2:* 29 weeks (840 hours).

Exhibit Dates: *Version 1:* 9/71-12/73; 9/71-12/73.

Objectives: To train enlisted personnel to perform as missile guidance and control specialists.

Instruction: Lectures and practical exercises in AC and DC circuits fundamentals; solid-state devices, including transistors, amplifiers, and power supplies; vacuum tubes, including amplifier principles, voltage regulators, tools, and soldering techniques; signal generation, timing, and control; logic symbols, circuits, and applications; and digital techniques and computer hardware.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.*Version 2:* In the upper-division baccalaureate category, 3 semester hours in electricity, and additional credit in electronics laboratory on the basis of institutional evaluation (3/74).

AF-1715-0138

DEFENSIVE SYSTEMS TRAINER SPECIALIST, AN/GPQ-T6

Course Number: 3ABR34231A; ABR34231A.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 42-46 weeks (1110-1200 hours).

Exhibit Dates: 11/66-12/73.

Objectives: To provide enlisted personnel with training in basic electronics.

Instruction: Lectures and laboratory in AC and DC circuits, solid-state devices, vacuum tubes, oscillators, transmitter and receiver fundamentals, microwave principles, and electrical motors and servomechanisms.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours as an elective in electricity or electronics, and additional credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0139

DEFENSE MISSILE GUIDANCE MECHANIC (GAR)

Course Number: ATS31151W-3.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 10 weeks (300 hours).

Exhibit Dates: 6/62-12/68.

Objectives: To train enlisted personnel as defense missile guidance mechanics.

Instruction: Lectures and practical exercises in security, safety procedures, and missile disassembly and analysis, armament, propulsion, and electrical power functions.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (3/74).

AF-1715-0140

MISSILE ELECTRICAL SPECIALIST

Course Number: 3ABR44130.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 14 weeks (420 hours).

Exhibit Dates: 2/71-12/73.

Objectives: To train enlisted personnel in the operation and maintenance of missile electrical systems.

Instruction: Lectures and practical experience in troubleshooting, preventive maintenance, principles of mechanics, DC and AC circuits, power supplies, and control systems.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0141

Field and Organizational (F & O) Maintenance AN/GMQ-10A Transmissometer, AN/GMQ-13 Rotating Beam Ceilometer

Course Number: ATS30270-17.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 5 weeks (150 hours).
Exhibit Dates: 11/59-12/68.
Objectives: To train enlisted personnel in the maintenance of electronic weather observation equipment.
Instruction: Lectures and practical experience in circuit analysis, troubleshooting, high-voltage power supplies, and video circuits.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0142

AN/APX-72 Transponder, Intermediate/Organizational (I/O) Maintenance

Course Number: 3AZR32851-0.
Location: School of Applied Aerospace Sciences, Keesler AFB, MS.
Length: 2 weeks (78 hours).
Exhibit Dates: 8/72-12/73.
Objectives: To train enlisted personnel in the operation and maintenance of the APX-72 transponder.
Instruction: Lectures and practical experience in logic symbols and circuitry, troubleshooting, and encoding and decoding principles.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0143

Missile Electronic Equipment Technician, WS-133A-M

Course Number: AZR316726.
Location: 3345th Technical School, Chanute AFB,IL.
Length: 6 weeks (186 hours).
Exhibit Dates: 7/67-12/68.
Objectives: To train enlisted personnel in the maintenance of launch and test equipment.
Instruction: Lectures and practical experience in analysis of electronic principles, circuit theory and testing, isolation and correction of equipment malfunctions, removal and installation, use of technical publications, and safety.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (3/74).

AF-1715-0144

Control Systems Mechanic, IM-99A

Course Number: ABR31230N-2.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 26 weeks (690 hours).
Exhibit Dates: 6/61-12/68.
Objectives: To train enlisted personnel in the operation, maintenance, inspection, and repair of IM-99A guided missile control systems and related aerospace ground equipment.
Instruction: Lectures and practical exercises in fundamentals of electronics, flight control components and systems, IM-99A weapon system concepts, technical publications, maintenance concepts, and weapon system check-out and inspection equipment.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0145

Control Systems Mechanic, IM-99B

Course Number: ABR31230N-1.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 31 weeks (840 hours).
Exhibit Dates: 6/61-12/68.
Objectives: To train enlisted personnel to inspect, maintain, and repair IM-99B missile systems.
Instruction: Practical training in the maintenance and repair of AC-DC vacuum tubes, transistors, amplifiers, motors, and servo-multivibrators.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0146

GAM Control Mechanic, GAM-77

Course Number: ABR31532Q-2.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 33 weeks (900 hours).
Exhibit Dates: 8/61-12/68.
Objectives: To train enlisted personnel in maintenance theory and the fundamentals of electricity and electronics.
Instruction: Lectures and practical experience in vacuum tubes, transistors, amplifiers, oscillators, motor servos, multivibrators, and sweep circuits.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0147

Guidance Systems Mechanic/Technician GAM-77

Course Number: ATS31150B-2.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 18 weeks (540 hours).
Exhibit Dates: 4/61-12/68.
Objectives: To train enlisted personnel to perform circuit analyses on GAM-77 guidance systems.
Instruction: Lectures and practical experience in computer logic and maintenance fundamentals.
Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0148

Control Mechanic/Technician, GAM-77
(Control Systems Mechanic/Technician, GAM-77)

Course Number: ATS31552Q-1; ATS31250B-2.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 12-13 weeks (360-390 hours).
Exhibit Dates: 3/61-12/68.
Objectives: To train maintenance personnel in the maintenance and theory of the GAM-77 control system to the level of circuit analysis, data flow loops, calibration, alignment, and check-out.
Instruction: Lectures and practical exercises in control system familiarization, control system analysis, bench test and ground support equipment, and radar fundamentals.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0149

Weapons Fusing Systems Specialist (Electronic)

Course Number: AB33130-A; AB33130-2.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 26-30 weeks (750-810 hours).
Exhibit Dates: 11/55-12/68.
Objectives: To train enlisted personnel to inspect, assemble, test, maintain, and repair nuclear weapons fusing systems, components, and related test equipment.
Instruction: Lectures in applied mathematics, including monomials, binomials, linear equations, power-of-ten notation, addition, subtraction, and multiplication of fractions, and use of slide rule; electricity fundamentals, including resistors, AC, DC, and bridge circuits; series, parallel, and series-parallel combination circuits; series-parallel RLC circuits, resonance, and Q factor; AC circuits fundamentals, including frequency, amplitude, and phase; DC motors and generators; inductive and capacitive reactance; magnetism; color code; volt-ohm-ampere meters; transformer fundamentals; maximum power transfer; vacuum tube devices; diodes, triodes, tetrodes, and pentodes; rectifiers and filters; basic concepts of tube amplification; gas-filled tubes and voltage regulators; oscillators and blocking circuits; amplitude modulation and AM detection circuits; frequency modulation, discriminators, and power amplifiers; magnetic amplifiers; RC and RL transient circuits; multivibrators, counters and limiters; transmission line concepts; magnetron and klystron microwave oscillators, waveguides, antennas, and pulse modulation; receiver circuits and heterodyne; practical experience in fusing system components and associated test equipment preventive maintenance; checking, calibration, and installation of electrical components; use of radar test equipment; and transformer, servomechanisms, vacuum tubes, and tube amplifiers operation, maintenance, and repair.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in electricity or electronics, and additional credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0150

Special Weapons Maintenance Technician

Course Number: AB99025A.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 25 weeks (660 hours).
Exhibit Dates: 8/57-12/68.
Objectives: To train enlisted personnel to operate, inspect, maintain, and correct malfunctions on special electronic instruments.
Instruction: Lectures and practical exercises in electrical fundamentals, including AC and DC circuits, resonance, RLC time constant circuits, vacuum and special-purpose tubes, amplifiers and oscillators, and oscilloscopes operation and use; nuclear physics fundamentals; and operation and use of elementary electronic counters.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity and electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0151

Special Weapons Maintenance
Technician

Course Number: *Version 1:* ABR99125FL. *Version 2:* AB99025FL.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 31 weeks (840 hours). *Version 2:* 14 weeks (390 hours).

Exhibit Dates: *Version 1:* 5/59–12/68. *Version 2:* 8/57–4/59.

Objectives: To train enlisted personnel to operate and maintain special electronic instruments.

Instruction: *All Versions:* Lectures and practical exercises in electronic fundamentals, AC and DC circuits; RLC circuits; resonance; filter circuits; Universal Time Constant curve use; time constants; vacuum tubes; diodes, triodes, tetrodes, and pentodes; transistor fundamentals; amplifier principles; and oscilloscope operation and use. *Version 1:* Instruction includes audio, DC, pulse, tuned, push-pull, and negative feedback amplifiers; oscillators, multivibrators, and pulse-generating circuits; and basic concepts communications systems and electromagnetic waves. *Version 2:* Instruction includes basic concepts of nuclear physics and atomic energy, and allied electronic detecting and measuring apparatus.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 4 semester hours in electrical laboratory or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in atomic physics, 2 in electricity or electronics, and, on the basis of institutional evaluation, credit in electrical laboratory (3/74).

AF-1715-0152

Special Weapons Maintenance
Technician

Course Number: ABR99125Q.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 39 weeks (1080 hours).

Exhibit Dates: 3/61–12/68.

Objectives: To train airmen to inspect, test, and repair electronic circuits and maintain special weapons systems.

Instruction: Lectures and practical exercises in special weapons systems maintenance and electrical fundamentals, including AC and DC circuits; RL, RC, and RLC circuits including resonance and filters; basic meter movements; oscilloscope use and operation; vacuum and gas tube theory; amplifiers, including DC, audio, pulse, tuned, and push-pull; oscillator principles; semiconductor theory; equivalent circuits; and systems analysis.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0153

Ground Communication Equipment
Repairman, CIM-10B
(Ground Communication Equipment Repairman (Light) CIM-10B)
(Ground Communication Equipment Repairmen (Light) IM-99B)

Course Number: 3AZR30434; AZR30432.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 13–18 weeks (402–540 hours).

Exhibit Dates: 11/61–12/73.

Objectives: To train enlisted personnel to operate and maintain specialized digital communications equipment.

Instruction: Lectures and practical exercises in specialized digital communications equipment operation and maintenance, including communications equipment familiarization; video prelaunch translator group, command distribution system, and command equipment operation and maintenance; status summarizer, simulator, selector, and comparator operation; squadron supervisor's station procedures; and interceptor missile squadron supervisory and control equipment operation and maintenance.

Credit Recommendation: In the upper-division baccalaureate category, credit in electronics and electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0154

Ballistic Missile Inertial Guidance
Mechanic/Technician (SM-68B)

Course Number: ATS31272F-3.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 15 weeks (450 hours).

Exhibit Dates: 1/62–12/68.

Objectives: To train enlisted personnel to operate basic inertial guidance systems and associated support equipment.

Instruction: Lectures and practical exercises in the operation of ballistic missile inertial guidance systems, including system components, stabilization, guidance computer fundamentals, power supplies, and test equipment.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0155

Air Launch Missile Guidance
Technician (AGM-28A/B)

Course Number: AAR31571Q.

Location: 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 13 weeks (390 hours). *Version 2:* 9 weeks (270 hours).

Exhibit Dates: *Version 1:* 5/65–12/68. *Version 2:* 8/64–4/65.

Objectives: To train enlisted personnel as air launch missile guidance technicians.

Instruction: Lectures and laboratories in advanced electronic principles, computer theory and operation, analysis and use of check-out tapes, aircraft installed-equipment theory, analysis of flight operation, troubleshooting, and field maintenance.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 2:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0156

BMEWS Space Surveillance Console
Operator

Course Number: 3AZR27650.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS.

Length: 2 weeks (60 hours).

Exhibit Dates: 5/73–12/73.

Objectives: To teach enlisted personnel the basic concepts of ballistic missile early warning systems operations, space track system, detection radar display, target teaching console, and interference analyzer.

Instruction: Lectures in operations of the ballistic missile early warning system, including basic concepts of the spacetrack system, relationship of fundamentals of the radar and electronic warfare to the early warning system, tactical equipment, and displays related to detection radar, target tracking console, and the interference analyzer.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0157

Analyst Technician, GAM-77
(Missile Systems Analyst/Technician, GAM-77)

Course Number: ATS31573Q-1; ATS31470B-2.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 18 weeks (540 hours).

Exhibit Dates: 3/61–12/68.

Objectives: To train enlisted personnel to operate, maintain, and adjust the GAM-77 missile system.

Instruction: Lectures and practical exercises in basic transistor principles; navigation; digital computer operation; propulsion, electrical, hydraulic and associated systems; flight control and servicing equipment; and computer systems analysis.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0158

Air Launch Missile Analyst
Technician (AGM-28A/B)

Course Number: AAR31573Q.

Location: 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 11 weeks (330 hours). *Version 2:* 8 weeks (240 hours).

Exhibit Dates: *Version 1:* 5/65–12/68. *Version 2:* 9/64–4/65.

Objectives: To train enlisted personnel in advanced troubleshooting and field repair of air-to-ground missile guidance and control systems.

Instruction: Lectures and practical exercises in air-to-ground missile guidance and control systems, including electrical and electronic principles; computer theory; guidance system theory and loop analysis; guidance equipment alignment and check-out procedures; and flight control and combined systems theory, systems analysis, troubleshooting, and safety procedures.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 2:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0159

1. Communications and Relay Center Equipment Repairman, Electro-Mechanical (Other)
   (Communications and Relay Center Equipment Repairman, Electro-Mechanical Cryptographic)
2. Communications Machine Repairman

Course Number: *Version 1:* ABR36330B; AB36332. *Version 2:* AB36330.

Location: *All Versions:* 3450th Technical School, Warren AFB, WY. *Version 1:*

3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 31-40 weeks (840-1110 hours). *Version 2:* 19-25 weeks (558-750 hours).

Exhibit Dates: *Version 1:* 9/57-12/68. *Version 2:* 3/54-8/57.

Objectives: To train enlisted personnel to install and maintain facsimile and teletypewriter equipment.

Instruction: Lectures and practical exercises in electrical fundamentals; magnetism; signal generation; vacuum tube principles; rectifiers, amplifiers, transformer and oscilloscope operation and maintenance; AC and DC motors operation; construction and troubleshooting of basic electrical circuits; teletypewriter switchboards and systems maintenance; and teletypewriter set, portable tape typing reperforator, semiautomatic telegraph composite set, and page printer maintenance.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in electricity or electrical laboratory on the basis of institutional evaluation (12/68). *Version 2:* In the upper-division baccalaureate category, credit in electricity or electrical laboratory on the basis of institutional evaluation (12/68).

AF-1715-0160

Ballistic Missile Checkout Equipment Specialist (SM-68B)

Course Number: ABR31235F.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 10 weeks (300 hours).

Exhibit Dates: 8/62-12/68.

Objectives: To train enlisted personnel as apprentice ballistic missile check-out equipment specialists.

Instruction: Lectures and laboratories in digital logic, electronic circuit analysis, launch control monitoring and check-out systems, squadron maintenance area check-out equipment, missile systems fault locators, monitor simulators, and hydraulic control unit and rocket engine test sets.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0161

Ballistic Missile Checkout Equipment Specialist (SM-65E and F)

Course Number: ABR31235D.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 17 weeks (510 hours).

Exhibit Dates: 8/62-12/68.

Objectives: To provide enlisted personnel with training in basic electronics and computer logic.

Instruction: Lectures and laboratories in power supplies, digital computer logic, and electronic fundamentals.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0162

Tactical Missile Control Mechanic (TM-76A/B)

(Control Systems Mechanic (TM-76A/B))

Course Number: ABR31432; ABR31230G.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 26-30 weeks (690-810 hours).

Exhibit Dates: 6/61-12/68.

Objectives: To train enlisted personnel to be ballistic missile system mechanics.

Instruction: Lectures and practical exercises in electronic principles, circuit theory, and testing; gyro principles; technical publications; flight control systems theory, operation, check-out, and troubleshooting; and operation, use, and inspection of control system test consoles and ground support equipment.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity or electronics (3/74).

AF-1715-0163

Nuclear Measurement Technician

Course Number: AB33231.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 23-26 weeks (660-690 hours).

Exhibit Dates: 4/55-12/68.

Objectives: To train enlisted personnel to operate, analyze, maintain, and inspect special laboratory instruments used in nuclear technology.

Instruction: Lectures and laboratory in basic electronics, including AC and DC circuits, magnetism, vacuum tubes, amplifiers, oscillators, transient analysis and wave shaping, multivibrators and pulse circuits, semiconductors introduction, and oscilloscopes; mathematics, including simultaneous linear equations, logs, and radicals; nuclear physics, including wave motion, atomic structure, periodic tables, mass-energy, binding energy curve, nuclear forces, electromagnetic radiation, alpha, beta, and gamma radiation, decay, emission, and absorption, isotopes chart and unknown isotopes determination; neutrons and neutron reactions, including fission, binding energy, critical energy, chain reactions, A-bomb, nuclear reactor, critical mass, decay curves of radioactive isotopes; ionization of gases; electroscope type instruments, including ion chambers, pulse amplifiers, proportional, geiger-mueller, flow, wrap-around, and scintillation counters; photodosimetry; explosion phenomena and burst characteristics; protection, shielding, decontamination, and medical safety; and technical procedures, including error reduction and error counting, plateau plotting and resolving time, and scaling circuits and devices.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in electrical laboratory (3/74).

AF-1715-0164

Electrical Engineering

Course Number: None.

Location: Air Force Institute of Technology, Wright-Patterson AFB, OH.

Length: 4 weeks (240 hours).

Exhibit Dates: 4/73-6/74.

Objectives: To provide electrical engineers with advanced training in electrical power systems design.

Instruction: Lectures in one- and three-phase circuits; power-factor corrections; voltage regulations; load flow, fault calculations, and grounding methods; various fuses, circuit breakers, and relays; transformer characteristics; lighting methods; operation and applications of various AC and DC motors; systems design; utility management and planning; and national electric code regulations and practices.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 4 semester hours in electronics (3/74); in the upper-division baccalaureate category, 3 semester hours in electronics (3/74).

AF-1715-0165

AN/TTC-30 Electronic Switch Intermediate/Organizational (I/O) Maintenance

Course Number: 3AZR36252-1.

Location: School of Applied Aerospace Sciences, Sheppard AFB, TX.

Length: 14 weeks (420 hours).

Exhibit Dates: 2/73-12/73.

Objectives: To train technicians to repair the AN/TTC-30 electronic switch.

Instruction: Lectures and practical exercises in electronic switch system functions and configuration familiarization, block-diagram and circuit analysis, malfunctions isolation, specialized test equipment usage, and switching circuits and switching logic theory.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0166

Missile Electronic Equipment Specialist (LGM-25)

Course Number: *All Versions:* 3ABR31632F. *Version 2:* ABR31632F.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 31-33 weeks (930-966 hours). *Version 2:* 36 weeks (990 hours).

Exhibit Dates: *Version 1:* 7/72-12/73. *Version 2:* 10/66-6/72.

Objectives: To train enlisted personnel to perform duties as missile electronic equipment specialists.

Instruction: Lectures and laboratories in basic electricity, including AC and DC circuits, motors, and synchro mechanics; solid-state amplifiers and power supplies; soldering and test equipment; solid-state application in wave generation; digital techniques; weapon system familiarization; launch complex systems and equipment; missile electrical system; and systems maintenance.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in electronics and electronics laboratory (3/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0167

Nuclear Technician

Course Number: AB33230.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 22-27 weeks (690-840 hours).

Exhibit Dates: 11/55-12/68.

Objectives: To train enlisted personnel to perform as nuclear technicians.

Instruction: Lectures and laboratories in AC and DC fundamentals; vacuum tubes and power supplies; amplifiers and oscillators; ionization detectors and scalers; servomechanisms, test equipment, and electronic construction techniques; bomb physics; radiation detection and radiological safety and salvage; nuclear components; and nuclear laboratory and laboratory instrument usage. No instruction in transistors.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0168

Advanced Electrical-Electronics Measurements,

Course Number: 3AZR32470-5.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 6 weeks (180 hours).

Exhibit Dates: 10/67-12/73.

Objectives: To train Air Force, Navy, and Marine Corps personnel as advanced precision measuring equipment specialists.

Instruction: Lectures and laboratories in principles of meterology; operation, application, and mathematical analysis of measurement methods; and calibration of electrical-electronic standards and measuring equipment.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electricity, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0169

1. Atomic Energy, Phase I (Electrical)
2. Atomic Energy, Phase I

Course Number: *Version 1:* AB33130A. *Version 2:* AB33130.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 12 weeks (360 hours). *Version 2:* 18 weeks (540 hours).

Exhibit Dates: *Version 1:* 11/54-12/68. *Version 2:* 9/54-10/54.

Objectives: To provide enlisted personnel with training in electrical fundamentals.

Instruction: *All Versions:* Lectures and laboratories in analysis of electrical and electronic circuits, including DC and AC circuits, magnetism, vacuum tubes, power supplies, voltage regulators, amplifiers, oscillators, and modulation and demodulation. Emphasis is on testing and operating. *Version 2:* Includes receivers, special circuits, transmission lines, microwave energy, synchros, and radar fundamentals.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 1 semester hour in basic electronics (3/74). *Version 2:* In the upper-division baccalaureate category, 1 semester hour in electricity or electronics (3/74).

AF-1715-0170

Communications-Electronics Systems Superintendent

Course Number: 3AAR30090.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS.

Length: 23-29 weeks (690-870 hours).

Exhibit Dates: 3/73-12/73.

Objectives: To train airmen to supervise the maintenance and operation of communications-electronics equipment systems.

Instruction: Lectures in the management of maintenance and operational problems of representative equipment and systems in communications and electronics, including logistics management, environmental and corrosion control, high-reliability soldering, systems analysis, digital techniques, TEMPEST, and employment of communications and electronics systems.

Credit Recommendation: Insufficient data for evaluation (3/74).

AF-1715-0171

Ballistic Missile Inertial Guidance Mechanic (SM-65E and F)

Course Number: ABR31232A.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 10 weeks (300 hours).

Exhibit Dates: 8/62-12/68.

Objectives: To train enlisted personnel in basic inertial guidance systems.

Instruction: Lectures and practical exercises in ballistic missile inertial guidance mechanics, including security and maintenance concepts, operating procedures for check-out equipment, analysis for countdown and alignment groups, troubleshooting and repair procedures, calibration of the alignment groups and theodolite using Polaris and azimuth reference prisms, and fundamentals of the computer, and digital, mechanical, and optical interface.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0172

Missile Guidance and Control Specialist (CGM-13B, FCC)

Course Number: 3ALR31651N-3; ALR31651N-3.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 10 weeks (300 hours).

Exhibit Dates: 3/67-12/73.

Objectives: To train enlisted personnel to apply electronic, missile guidance, and flight control principles and to use test and ground support equipment.

Instruction: Lectures and practical exercises in the principles of electronics, missile guidance, and flight control, including training in test equipment, transistors, amplifiers, relay logic, missile systems operation, and troubleshooting and repair.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0173

Ballistic Missile Checkout Equipment Specialist (HGM-25A)
(Ballistic Missile Checkout Equipment Specialist (SM-68A))

Course Number: ABR31235E.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 12-13 weeks (360-390 hours).

Exhibit Dates: 3/62-12/68.

Objectives: To train enlisted personnel to perform as apprentice ballistic missile check-out equipment specialists.

Instruction: Lectures and practical exercises in ballistic missile check-out, including printed circuit board analysis, propellant loading and pressurization systems, propulsions systems, engine control system, and test and maintenance procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0174

1. Electronic Communications and Cryptographic Equipment Systems Repairman
2. Electronic Communications and Cryptographic Equipment Systems Repairman
3. Electronic Communications and Cryptographic Equipment Systems Repairman
4. Electronic Communications and Cryptographic Systems Equipment Repairman (Ciphony) (Encrypted Tel-Data Fax)
5. Electronic Communications and Cryptographic Systems Equipment Repairman (Encrypted Teletype)

Course Number: *Version 1:* 3ABR30630. *Version 2:* 3ABR30630. *Version 3:* ABR30630. *Version 4:* ABR30630B; ABR30630C. *Version 5:* ABR30630C.

Location: 3275th Technical School, Lackland AFB, TX.

Length: *Version 1:* 38 weeks (1113 hours). *Version 2:* 40 weeks (1197 hours). *Version 3:* 20 weeks (600 hours). *Version 4:* 35-41 weeks (300-360 hours). *Version 5:* 28-41 weeks (780-960 hours).

Exhibit Dates: *Version 1:* 3/72-12/73. *Version 2:* 1/71-2/72. *Version 3:* 11/65-12/70. *Version 4:* 2/62-10/65. *Version 5:* 12/60-1/62.

Objectives: To train enlisted personnel to install, operate, maintain, and repair cryptographic equipment.

Instruction: Lectures and practical exercises in basic electronics; series, parallel, series-parallel resistive circuits; reactive, inductive, and capacitive circuits; vacuum tubes and solid-state devices principles; coupling and logic circuits; power supplies; oscillators; pulse and multiplex systems; and specialized training in various specific cryptographic equipment maintenance and repair.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours as an elective in electricity or electronics for non-engineering majors (3/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in electricity or electronics and credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics and credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 4:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics and credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 5:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0175

1. Missile Engine Mechanic (LGM-25)
2. Missile Engine Mechanic (SM-68B)

Course Number: ABR44331E-2.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 19-20 weeks (540-570 hours). *Version 2:* 9 weeks (270 hours).

Exhibit Dates: *Version 1:* 4/67-12/68. *Version 2:* 8/62-3/67.

Objectives: To train enlisted personnel to operate, inspect, and maintain rocket engines.

Instruction: *All Versions:* Lectures and practical exercises in stage I and stage II rocket engine familiarization, construction features, and maintenance, and in silo and ground equipment maintenance. *Version 1:* Includes mechanical and electronic principles: AC and DC fundamentals, generators and motors, transformers, rectifiers, vacuum tubes, and semiconductors.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in electricity and electrical laboratory on the basis of institutional evaluation

(3/74). *All Versions:* Credit is not recommended because of the limited technical nature of the course (3/74).

AF-1715-0176

Avionics Instrument Specialist (Lateral)

Course Number: 3ALR32531.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 10 weeks (300 hours).

Exhibit Dates: 3/72-12/73.

Objectives: To train enlisted personnel to perform as avionics instrument specialists.

Instruction: Lectures and practical exercises in principles of electrical and electronic circuits and solid-state devices, including principles of operation and circuit analysis of the vertical scale instruments, slaved gyro compass, attitude reference, flight director, central air data computer, and instruction in the automatic altitude reporting system, power supplies, and nonlinear wave shaping.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0177

AN/UPX-14, Field and Organizational (F & O) Maintenance

Course Number: ATS30372-59.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 3 weeks (90 hours).

Exhibit Dates: 3/62-12/68.

Objectives: To train enlisted personnel to operate, inspect, and maintain the AN/UPX-14 interrogator-responder.

Instruction: Lectures and practical exercises in the principles of operation, tests, adjustments, troubleshooting, and repair of AN/UPX-14 equipment components, including functional analysis of circuits, transmitters, and receivers.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0178

Ballistic Missile Launch Equipment Repairman (SM-68A)

Course Number: ABR31236E.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 12 weeks (360 hours).

Exhibit Dates: 3/62-12/68.

Objectives: To train enlisted personnel with training in missile systems fundamentals to perform as apprentice ballistic missile launch equipment repairmen.

Instruction: Lectures and practical exercises in the repair of ballistic missile launch equipment, including launch control, circuit analysis, logic circuits, control center circuits, basic electronics, test equipment, assemblies, and maintenance and troubleshooting.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0179

Ballistic Missile Launch Equipment Repairman (SM-68B)

Course Number: ABR31236F.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 9 weeks (270 hours).

Exhibit Dates: 8/62-12/68.

Objectives: To train airmen to perform as apprentice ballistic missile launch equipment repairmen.

Instruction: Lectures and practical exercises in the repair of ballistic launch equipment, including special circuitry, launch control monitoring, power distribution control, maintenance of the launch control set and flight control systems, and hazard sensing and damage control systems.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (3/74).

AF-1715-0180

Controls System Analyst (TM-76A)

Course Number: ABR31431G.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 19 weeks (540 hours).

Exhibit Dates: 12/59-12/68.

Objectives: To train airmen to perform as apprentice controls systems analysts.

Instruction: Lectures and practical exercises in elementary control systems analysis, including electronic fundamentals (power supplies, amplifiers, linear systems, microwaves, vacuum tubes, antennas), guided missile fundamentals, flight controls and command guidance theory and check-out test sets, and basic missile checker components and operation.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electronic systems (3/74).

AF-1715-0181

Advanced Microwave Measurement and Calibration

Course Number: 3AZR32470-12.

Location: School of Applied Aerospace Sciences, Lowry AFB, CO.

Length: 6 weeks (240 hours).

Exhibit Dates: 5/73-12/73.

Objectives: To train enlisted personnel to maintain and calibrate advanced microwave measurement equipment.

Instruction: Lectures and practical exercises in the maintenance of advanced microwave measuring equipment, including principles of meteorology; application and mathematical analysis of measurement methods; calibration techniques of microwave measuring, calibration standards, and measurement theory and instrumentation as applied to transmission lines and waveguides; microwave tubes; noise; microwave power; impedance and VSWR.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in microwave measurement (3/74).

AF-1715-0182

1. Medical Equipment Repair Technician
2. Medical Equipment Repair Technician
3. Medical Equipment Repair

Course Number: *Version 1:* 3AZR40370-2. *Version 2:* AAR40370. *Version 3:* AZR403X0.

Location: *Version 1:* Medical Service School, Sheppard AFB, TX. *Version 2 :* Medical Service School, Gunter AFB, AL. *Version 3 :* Medical Service School, Gunter AFB, AL.

Length: *Version 1:* 30 weeks (900 hours). *Version 2:* 30 weeks (1080-1114 hours). *Version 3:* 16 weeks (588 hours).

Exhibit Dates: *Version 1:* 12/68-12/73. *Version 2:* 5/64-11/68. *Version 3:* 5/62-4/64.

Objectives: To train enlisted personnel as medical equipment repair technicians.

Instruction: Lectures and laboratories in DC and AC circuit fundamentals and generation of AC and DC; basic electronics, power supplies, oscillators, amplifiers, and solid-state devices; RF amplifiers and modulation-demodulation systems; pulse generators and processors; measurements; maintenance management and equipment analysis of electronic medical and dental equipment.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in electronic laboratory on the basis of institutional evaluation (3/74). *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0183

F-111 Indicator and Controls Test Stations Technician

Course Number: ALR32570.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 15-18 weeks (450-540 hours).

Exhibit Dates: 6/66-12/68.

Objectives: To train enlisted personnel to operate, inspect, and maintain aerospace ground equipment, test stations, line replaceable units, and support equipment.

Instruction: Lectures and practical exercises in aerospace ground equipment, test stations, line replaceable units, and support equipment maintenance, including central air data computer test station and indicator and controls test stations operation, circuit analysis, calibration, and fault isolation; programmer comparator operation and circuit analysis; safety and security procedures; binary numbers and logic symbols basic theory; and schematic equivalents circuit analysis.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0184

F-111 Navigation Aids Test Stations Technician

Course Number: ALR30171.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 8 weeks (240 hours).

Exhibit Dates: 8/66-12/68.

Objectives: To train enlisted personnel to perform as navigation aids test stations technicians.

Instruction: Lectures and practical exercises in the maintenance of the AGERD 6818 and IFF test equipment group, including theory, operation and inspection of equipment, maintenance on line replacement units, test station and peculiar support AGE, ground safety and security, block-diagram and circuit analyses of equipment, calibration, and maintenance management.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (3/74).

AF-1715-0185

Aircraft Radio Repairman (Data Link Supplement)

Course Number: AZR30150-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 10-12 weeks (300-360 hours).

Exhibit Dates: 11/60-12/68.

Objectives: To train enlisted personnel to maintain and repair data link radio equipment.

Instruction: Lectures and practical experience in data link radio equipment maintenance and repair, including basic digital techniques, specific receiver/converter circuits analysis, data link radio equipment functional analysis, and circuit boards failure analysis.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0186

Integrated Avionic Systems Specialist

Course Number: 3AQR32622C.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS.

Length: 9 weeks (270 hours).

Exhibit Dates: 8/72-12/73.

Objectives: To train airmen to operate, test, and maintain avionics systems.

Instruction: Lectures and practical exercises in avionics systems operation and maintenance, including AC and DC circuits, meters and test instruments, synchros and servos, amplifiers, power supplies, digital circuits, basic receivers and transmitters, airborne communication priniciples, navigation, and electronic warfare systems.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0187

Techniques of Circuit Conditioning

Course Number: 3AZR30750.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 4 weeks (120 hours).

Exhibit Dates: 9/71-12/73.

Objectives: To train airmen in transmission circuit conditioning.

Instruction: Lectures and practical exercises in circuit balance and noise; conditioning concepts, techniques, and applications; and VF conditioning equipment and associated equipment operation.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (3/74).

AF-1715-0188

AN/TSC-60 Communications Central O/I (407L)

Course Number: 3AZR30454-15.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS.

Length: 8 weeks (240 hours).

Exhibit Dates: 12/72-12/73.

Objectives: To train airmen to maintain a specific communications terminal system at an intermediate level.

Instruction: Lectures and practical exercises in the maintenance of the AN/TSC-60 communications central system, including a block-diagram and module-by-module analysis of individual system components; alignments and adjustments; performance checks; and troubleshooting procedures on radio receiver, amplifier-power supply, and teletype associated equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0189

Special Training, AN/MRN-7A, AN/MRN-8A, and Wilcox 492A Maintenance Field and Organizational (F & O)

Course Number: ATS30451-3.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 4 weeks (120 hours).

Exhibit Dates: 10/62-12/68.

Objectives: To train maintenance personnel to maintain and repair specific instrument landing systems.

Instruction: Lectures and practical exercises in the maintenance and repair of specific instrument landing systems, including system functions, components; block-diagram and circuit analysis; malfunction analysis for components, assemblies, and subassemblies; and alignment, inspection, and calibration of the systems using specialized and standard test equipment.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0190

Special Training, Wilcox 482 Omni-Range System Maintenance Field and Organizational (F & O)

Course Number: ATS30451-4.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 3 weeks (90 hours).

Exhibit Dates: 10/62-12/68.

Objectives: To train maintenance personnel to repair and maintain electronic equipment of the Wilcox 482 omnirange system.

Instruction: Lectures and practical exercises in the maintenance and repair of the Wilcox 482 omnirange system, including system function and components; block-diagram and circuit analysis; isolation of equipment malfunctions; assemblies and subassemblies; and inspection, alignment, calibration, and repair of the system using special and standard test equipment.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0191

Solid State Devices, Field and Organizational (F & O) Maintenance

Course Number: ATS30070-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 3 weeks (90 hours).

Exhibit Dates: 11/60-12/68.

Objectives: To train maintenance technicians to maintain transistorized electronic equipment.

Instruction: Lectures and practical exercises in the maintenance of transistorized electronic equipment, including the development and operation of transistors, repair and test equipment for transistorized circuits, PN-junction theory, diode circuits, transistor amplifiers, bias stabilization, oscillators, multivibrators, and troubleshooting procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0192

Universal Radio Group Equipment

Course Number: 3AZR30454-17.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS; 3380th Technical School, Keesler AFB, MS.

Length: 3 weeks (108-136 hours).

Exhibit Dates: 11/72-12/73.

Objectives: To train enlisted personnel to operate, test, troubleshoot, and maintain the universal radio group electronic equipment.

Instruction: Lectures and practical exercises in receiver site equipment analysis and operational checks, fault isolation, maintenance applications, and block-diagram analysis of radio group electronic equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0193

MMTMC-212, Field and Organizational (F/O) Maintenance

Course Number: 3AZR30451.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 3 weeks (90 hours).

Exhibit Dates: 7/68-12/73.

Objectives: To train enlisted personnel who have a knowledge of the fundamentals of solid-state devices to maintain electronic equipment in the MMTMC-212 test monitor control group.

Instruction: Lectures and practical exercises in the maintenance of electronic equipment in the MMTMC-212 test monitor control group, including system components and function, block- and circuit-diagram analysis, application of solid-state devices and digital circuitry, alignment, adjustment, performance testing and troubleshooting, and the use of standard and special test equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0194

Transistorized Telautograph Intermediate and Organizational (I & O) Maintenance

Course Number: 3AZR36350-2.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 3 weeks (72 hours).

Exhibit Dates: 2/72-12/73.

Objectives: To train airmen to repair and maintain autowriter transmitters and receivers.

Instruction: Lectures and practical exercises in the maintenance of autowriter transmitters and receivers, including transmitter circuit analysis, receiver circuit analysis, systems operation, solid-state devices, assembly and adjustment, and preventive and corrective maintenance procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0195

Telephone Switching Equipment Repairman, Electromechanical (Other)

Course Number: ABR36231-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 14 weeks (420 hours).

Exhibit Dates: 12/65-12/68.

Objectives: To train enlisted personnel to repair telephone switching equipment.

Instruction: Lectures and practical exercises in electronic fundamentals, technical publications, telephone switching equipment and installation principles, AC and DC circuits, solid-state devices, switching center principles, cable installation, and troubleshooting and maintenance of manual central office equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0196

Telephone Installer-Repairman

Course Number: AB36132.

Location: 3450th Technical School, Warren AFB, WY.

Length: 10 weeks (300 hours).

Exhibit Dates: 2/55-12/68.

Objectives: To train airmen to install, maintain, and repair telephone and interoffice voice communications systems.

Instruction: Lectures and practical experience in pole climbing and field wire systems, telephone repair, substation installation, and interoffice and key telephone equipment maintenance and repair.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0197

Telephone Circuit Analysis

Course Number: ATS36172-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 3 weeks (120 hours).

Exhibit Dates: 12/61-12/68.

Objectives: To train officers, airmen, and civilian personnel in telephone circuitry analysis.

Instruction: Lectures and practical experience in telephone operation, circuitry, and wiring; key system operation and wiring; speaker phones operation, circuitry, wiring, connections, and cabling; and analysis and maintenance procedures for functional circuitry of specific telephone devices.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0198

Specialized Communications and Electronics (C & E) Training

Course Number: ATS30472-3.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 16 weeks (480 hours).

Exhibit Dates: 4/62-12/68.

Objectives: To train enlisted personnel to operate, maintain, and repair specific electronic equipment.

Instruction: Lectures and practical exercises in electronics principles; AC and DC circuits; transmitters and receivers; transistors and their applications; and television, telephone systems, and direction-finding equipment operation, maintenance, and repair.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours as an elective in electricity or electronics (3/74).

AF-1715-0199

Fire Control Systems Mechanic (E-9 Series)

Course Number: AL32230E.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 20 weeks (600 hours).

Exhibit Dates: 5/56-12/68.

Objectives: To train airmen to operate and maintain the E-9 fire control system.

Instruction: Lectures and practical exercises in field and organization maintenance of the E-9 fire control system, including circuit analysis, systems operation (with instruction in intelligence gathering), antenna positioning and computing loops, power distribution, and malfunction analysis.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (3/74).

AF-1715-0200

Tracking/Identification (SAGE)

Course Number: OZR1744B-5.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 6 weeks (180 hours).

Exhibit Dates: 4/61-12/68.

Objectives: To train officers to perform as tracking or identification officers (SAGE).

Instruction: Lectures and practical exercises in the organization, function, and operation of SAGE direction centers, including communications, equipment and weapons, and track monitoring and identification.

Credit Recommendation: No credit because of the limited specialized nature of the course (3/74).

AF-1715-0201

Fire Control Systems Mechanic (E-9 Series)

Course Number: AB32230E.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 42 weeks (1170 hours).

Exhibit Dates: 7/56-12/68.

Objectives: To train enlisted personnel to maintain and repair the E-9 fire control system.

Instruction: Lectures and practical exercises in the maintenance of the E-9 fire control system, including malfunction analysis, component familiarization, alignment and adjustments, electricity and electronics fundamentals, and analysis of special circuits. Electronics not presented in depth.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electricity, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0202

Electronic Warfare Countermeasures Specialist

Course Number: 3ALR27332.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 11-12 weeks (330-360 hours).

Exhibit Dates: 11/67-12/73.

Objectives: To provide aircraft control and warning technicians with training in electronic warfare countermeasures.

Instruction: Lectures and practical exercises in electronic principles, including AC, DC, and RLC circuits; multivibrators, oscillators, amplifiers, and modulation; radar principles and systems; data processing; and electronic countermeasures and counter-countermeasures equipment, techniques, and devices.

Credit Recommendation: In the upper-division baccalaureate category, credit in electronics on the basis of institutional evaluation (3/74).

AF-1715-0203

F-III Computer/Programmer Test Stations Technician

Course Number: ALR30174.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 25-28 weeks (750-840 hours).

Exhibit Dates: 6/66-12/68.

Objectives: To train enlisted personnel to operate, test, and maintain computer test station equipment.

Instruction: Lectures and practical exercises in computer test station equipment operation, testing and maintenance, including circuit analysis of systems; computer mathematics, logic, and circuits; navigation, flight control, and optical system gyro and accelerometer systems; and automatic test equipment operation and maintenance.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in computer electronics, and additional credit in computer electronics on the basis of institutional evaluation (3/74).

AF-1715-0204

Fire Control Systems Mechanic (AN/ASG-14 System)

Course Number: AB32230M.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 26 weeks (690 hours).

Exhibit Dates: 2/58-5/59.

Objectives: To train enlisted personnel to maintain, repair, and isolate malfunctions in the AN/ASG-14 fire control system.

Instruction: Lectures and practical exercises in AN/ASG-14 maintenance and repair, including electricity symbols, units, and meters; AC and DC circuit fundamentals; oscilloscopes; series-parallel and RLC circuits; vacuum and gas-filled tubes; multigrid devices; rectifiers, filters, and regulators; amplifiers, oscillators, sweep generators, and multivibrators; transistors and specialized circuits; radar and RF transmission principles; MA-10 radar unit transmitter, receiver, and electronic countermeasures, optical and infrared operation; and field exercises in aircraft.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0205

Turret Systems Gunner (A-3A/MD-9 Turrets)

(Turret Systems Gunner, B-52(A-3A))

Course Number: AL32331G; ZZ32331G-2.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 8 weeks (240 hours).

Exhibit Dates: 12/55-12/68.

Objectives: To train enlisted personnel to be aerial gunners for bombardment aircraft.

Instruction: Lectures and practical demonstrations in .50 caliber gun, M-3, and associated equipment operations; A-3A/MD-9 fire control system operation and controls; and A-3A/MD-9 and associated equipment preflight and postflight inspection.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (3/74).

AF-1715-0206

Turret Systems Gunner, B-66 (MD-1)

Course Number: ZZ32331D.

Location: 3415th Technical School, Lowry AFB, CO.
Length: 14 weeks (420 hours).
Exhibit Dates: 12/55–12/68.
Objectives: To train enlisted personnel as aerial gunners on B-66 aircraft.
Instruction: Lectures and practical exercises in gunnery introduction; turret systems development; radar basic theory; basic electricity and electrical motors, servos, amplidynes, selsyns, and vacuum tube theory; aircraft power supplies; gunner's test equipment and 20mm automatic gun, associated equipment, and feed mechanism; preflight and postflight inspection and check-out procedures; malfunction range training; fire control system nomenclature and components location; system block-diagram analysis; gunnery range and ammunition; and crew coordination and procedures.
Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0207

F/FB111 Penetration Aids Test Stations Technician

Course Number: 3ALR30173-2.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 13 weeks (390 hours).
Exhibit Dates: 4/68–12/73.
Objectives: To train enlisted personnel to maintain penetration aids and infrared test stations.
Instruction: Lectures and practical exercises in infrared theory and techniques; infrared receiver set familiarization and signal flow analysis; block-diagram analysis and operation of tester replaceable units; infrared test station maintenance procedures; radar homing and warning system familiarization, signal flow tracing, and maintenance; and tester replaceable units of the penetration aids test station block-diagram analysis and operating procedures.
Credit Recommendation: In the upper-division baccalaureate category, credit in electronics on the basis of institutional evaluation (3/74).

AF-1715-0209

Aircraft Control and Warning Operator (SAGE)

Course Number: ABR27330B.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 17 weeks (480 hours).
Exhibit Dates: 10/58–12/73.
Objectives: To train enlisted personnel to perform as aircraft control and warning operators (SAGE).
Instruction: Lectures and practical exercises on aircraft control and warning, including the concepts of air defense, principles and application of radiotelephone communications, operation of appropriate EAM machines, radar and manual data inputs, tracking, track monitoring, track telling, height finding, and intercept control.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (3/74).

AF-1715-0210

Integrated Avionics System Specialist (Inertial/Bomb Navigation, Fire/Weapon Control, Digital Computers, Airborne Photographic Systems, and Multi-Sensor Displays)
(Integrated Avionics System Specialist (Inertial/Bomb Navigation, Fire/Weapon Control, Digital Computers, Airborne Displays))

Course Number: 3ABR32632A.
Location: School of Applied Aerospace Sciences, Lowry AFB, CO.
Length: 18 weeks (540 hours).
Exhibit Dates: 3/72–12/73.
Objectives: To train enlisted personnel as integrated avionic systems specialists.
Instruction: Lectures and laboratories in electronic principles, including schematic symbols, resistance, ohmmeter, Ohm's law, power law, series-parallel circuits, generation of AC, oscilloscope operation, electromagnetism and relays, reactance and reactive circuits, DC and AC motors, semiconductor theory, diodes, transistors, rectifier circuits, filters, power supplies, Zener diodes, basic amplifiers, video amplifiers, servo control systems, oscillators, limiters, clampers, multivibrators, Schmitt triggers, digital mathematics, logic circuits, and Boolean algebra; and operations and maintenance of navigation sets, optical display sight sets, control display sets, digital computer complex, attack radar systems, terrain-following radar, and navigational radar sets.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0211

Fire Control Systems Mechanic (AN/ASG-14 System)

Course Number: AL32230M.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 12 weeks (360 hours).
Exhibit Dates: 2/58–12/68.
Objectives: To train enlisted personnel to maintain, repair, and isolate malfunctions within AN/ASG-14 fire control systems.
Instruction: Lectures and laboratories in location, identification, and adjustment of transmitter circuits, receiver and computer circuits, electronic countermeasures operation indicators, optical gunsight systems, and infrared sights.
Credit Recommendation: In the upper-division baccalaureate category, credit in electricity and electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0212

1. Bomb Navigation Systems Technician (MA-6A, 7A Radar and ICE)
   (Bomb Navigation Systems Technician (MA-6A, MA-7A Radar and Interconnect))
2. Bomb Navigation Systems Technician (K, MA-6A, MA-7A Radar and Interconnect)
   (Bomb Navigation Systems Technician (K, MA-6A, MA-7A Series Radar Interconnects))
3. K-Series Radar and Interconnection Equipment Technician
4. K-Series Radar and Interconnection Equipment Technician

Course Number: *Version 1:* AAR32170C. *Version 2:* AAR32170C; AA32170C. *Version 3:* AA32171EC. *Version 4:* AA32171EC.
Location: 3415th Technical School, Lowry AFB, CO.
Length: *Version 1:* 32 weeks (960 hours). *Version 2:* 27 weeks (810 hours). *Version 3:* 26 weeks (780 hours). *Version 4:* 15 weeks (450 hours).
Exhibit Dates: *Version 1:* 7/60–12/68. *Version 2:* 4/57–7/60. *Version 3:* 1/55–3/57. *Version 4:* 1/54–12/54.
Objectives: To train enlisted personnel to maintain radar and interconnection equipment.
Instruction: *Version 1:* Lectures and laboratories in DC and AC circuits, with introduction to transformers and machines; vacuum tubes, including rectifiers, HF amplifiers, regulators, doublers, cathode followers, clamping circuits, sweep generators, oscillators, and multivibrators; receiver principles; microwave (radar) principles; oscilloscope construction and use; radar and interconnect (ICE) data flow, circuit tracing, and power supplies and distribution; APS-64 transmitter, receiver, video, sweep, range, and azimuth channels; and maintenance procedures. *Version 2:* Lectures and laboratories in system data flow; radar and interconnection equipment circuit analysis; basic AC and DC circuit analysis; vacuum tubes, including rectifiers, regulators, doublers, amplifiers, clamping circuits, oscillators, sweep generators, and multivibrators; principles of radar; radar and interconnect (ICE) data flow, circuit tracing, and power supplies and distribution; APS-64 transmitter, receiver, video, sweep, and azimuth channels; and maintenance procedures. *Version 3:* Lectures and laboratories in DC and AC circuits, with introduction to transformers and machines; vacuum tubes, including rectifiers, HF amplifiers, regulators, doublers, cathode followers, clamping circuits, sweep generators, oscillators, and multivibrators; receiver principles; microwave (radar) principles; oscilloscope construction and use; radar and interconnect (ICE) data flow, circuit tracing, and power supplies and distribution; APS-64 transmitter, receiver, video, sweep, range, and azimuth channels; and maintenance procedures. *Version 4:* Lectures and laboratories in fundamentals of K-series bomb navigation systems and operation, data flow, circuit analysis, and maintenance of APS-23A radar sets and K-series interconnection equipment.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics and credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in electricity or electronics and credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics and credit in electrical laboratory on the basis of institutional evaluation (3/74). *All Versions:* Credit is not recommended because of the military specific nature of the course (3/74).

AF-1715-0213

AN/FPS-26A Radar Field and

ORGANIZATIONAL (F & O)
MAINTENANCE
(Special Training AN/FPS-26A (Field and Organizational Maintenance))

Course Number: 3AZR30372-4; 2ASR30372-3.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 9 weeks (270 hours).

Exhibit Dates: 12/68-12/73.

Objectives: To train maintenance personnel to maintain a specific radar system.

Instruction: Lectures and practical exercises in the maintenance of the AN/FPS-26A radar set, including principles of operation, components, block-diagram analysis, transmitter and receiver analysis, performance monitors and radar display, countermeasures and antenna equipment, ancillary equipment, and troubleshooting procedures.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0214

SPECIAL TRAINING, AN/FPS-7, FIELD AND ORGANIZATION (F & O) MAINTENANCE

Course Number: 2ASR30372-6.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 11 weeks (330 hours).

Exhibit Dates: 6/68-12/73.

Objectives: To train maintenance personnel to maintain and repair AN/FPS-7 radars.

Instruction: Lectures and practical exercises in the maintenance of the AN/FPS-7 radar equipment, including function and arrangement of subassemblies and components, block-diagram and circuit analysis, and power distribution in the transmitter and timing systems, antijam equipment and console, and the MTI system.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0215

SPECIAL COURSE AN/APX-25
(Transponder Set AN/APX-25)

Course Number: SS30170-13.

Location: 3380th Technical School, Keesler, AFB, MS.

Length: 3 weeks (90 hours).

Exhibit Dates: 6/55-12/68.

Objectives: To train radio repairmen and electronic navigation equipment repairmen to maintain AN/APX-25 transponder sets.

Instruction: Lectures and practical exercises in the maintenance of the AN/APX-25 transponder set, including power supply, receiver channel, decoder channel, coding channel, transmitter channel, and auxiliary circuits.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0216

1. GUNNERY TRAINER SPECIALIST
2. GUNNERY TRAINER SPECIALIST
3. GUNNERY TRAINER SPECIALIST
4. GUNNERY TRAINER SPECIALIST (APG-T1, T1A)

(Gunnery Trainer Specialist (AN/APG-T1, T1A))

Course Number: *Version 1:* ABR34430-1. *Version 2:* ABR34430. *Version 3:* ABR34430. *Version 4:* ABR34430B; AB34430B.

Location: *Version 1:* 3345th Technical School, Chanute AFB, IL. *Version 2:* 3415th Technical School, Lowry AFB, CO. *Version 3:* 3415th Technical School, Lowry AFB, CO. *Version 4:* 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 26 weeks (750 hours). *Version 2:* 34 weeks (930 hours). *Version 3:* 29 weeks (780 hours). *Version 4:* 25-32 weeks (750-870 hours).

Exhibit Dates: *Version 1:* 6/67-12/68. *Version 2:* 7/64-5/67. *Version 3:* 10/60-6/64. *Version 4:* 12/55-9/60.

Objectives: To train enlisted personnel to operate and maintain specific radar equipment.

Instruction: *All Versions:* Lectures and practical exercises in AN/APG-T1A radar equipment operation and maintenance, including electronic principles, radar principles, and operation and maintenance of specific radar sets. *Version 1:* Instruction includes development of target position voltages; development of target and interference; relay section and scoring devices operation and maintenance; and OA-474 simulator group maintenance, alignment, and troubleshooting. *Version 2:* Instruction includes development of target position voltages; development of target and interference; relay section and scoring devices operation and maintenance; and OA-474 simulator group maintenance, alignment, and troubleshooting. *Version 3:* Instruction includes development of target position voltages; development of target and interference; relay section and scoring devices operation and maintenance; and OA-474 simulator group maintenance; alignment, and troubleshooting; AC and DC fundamentals; vacuum tube principles; amplifiers; and transistors. *Version 4:* Instruction includes AC and DC fundamentals; vacuum tube principles; amplifiers; and AN/APG-32 radar system operation, maintenance, and alignment.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 2:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 3:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 4:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0217

FLIGHT FACILITIES EQUIPMENT REPAIRMAN (TACAN)

Course Number: *Version 1:* ABR30431C. *Version 2:* AB30431C.

Location: *Version 1:* 3380th Technical School, Keesler AFB, MS. *Version 2:* 3310th Technical School, Scott AFB, IL.

Length: *Version 1:* 30 weeks (810 hours). *Version 2:* 15 weeks (420 hours).

Exhibit Dates: *Version 1:* 8/58-12/68. *Version 2:* 2/57-7/58.

Objectives: To train enlisted personnel to repair TACAN radio equipment.

Instruction: Lectures and practical exercises in amplification principles, superheterodyne receiver principles; TACAN equipment introduction; and analysis, troubleshooting, maintenance, and repair of AN/URN-3 TACAN equipment power supply, monitor receiver, and pulse circuits.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 2:* In the upper-division baccalaureate category, credit in electrical or electronic laboratory on the basis of institutional evaluation (4/74).

AF-1715-0218

SPACE OBJECT IDENTIFICATION ANALYST/TECHNICIAN

Course Number: 3AZR20550; 3AZR29450; 3AZR27550-2.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS.

Length: 4-6 weeks (168 hours).

Exhibit Dates: 4/68-Present.

Objectives: To train enlisted personnel to perform as space object identification analyst technicians.

Instruction: Lectures and practical exercises in principles of satellite motion, factors affecting radar cross section, and techniques of Quick Look analysis of SOI records.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0219

SPACETRACK SURVEILLANCE TECHNICIAN
(Spacetrack Surveillance Operator/Technician)

Course Number: 3AZR27650-1; 3AZR27550-1.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS.

Length: 4 weeks (120 hours).

Exhibit Dates: 4/68-12/73.

Objectives: To train enlisted personnel to perform as spacetrack technicians.

Instruction: Lectures and practical exercises in system description and familiarization, basic principles of orbital motion, basic tracking and detection, radar principles, radar systems and capabilities, space sensors, computer principles, tasking and mission planning, worldwide space programs, and space object identification principles.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4.74).

AF-1715-0220

ADVANCED MICROWAVE MEASUREMENTS

Course Number: 3AZR32470-6.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 4 weeks (120 hours).

Exhibit Dates: 10/67-12/73.

Objectives: To train enlisted personnel to make advanced microwave measurements.

Instruction: Lectures and practical exercises in the measurement of advanced microwave equipment, including instruction in transmission lines and wave-guides, microwave generation and detection, microwave impedance, measurement of microwave power, VSWR, attenuation, and frequency spectrum analysis and measurement.

Credit Recommendation: In the upper-division baccalaureate category, credit in microwave measurement on the basis of institutional evaluation (12/68).

AF-1715-0221

ELECTRONIC COMMUNICATIONS CRYPTOGRAPHIC REPAIRMAN/ENCRYPTED DIGITAL DATA TERMINALS (PREPARATORY)

Course Number: 3ABR30620F.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 20 weeks (570 hours).

Exhibit Dates: 5/69–12/73.

Objectives: To provide enlisted personnel with basic training in maintenance of electronic communications cryptographic equipment and encrypted digital data terminals.

Instruction: Lectures and laboratories in DC and AC circuits; solid-state devices, test equipment, and logic circuits; and maintenance, repair, and adjustment of cryptographic devices associated with Autodin terminals.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0222

GROUND RADIO MAINTENANCE
TECHNICIAN FIXED STATIONS,
COMMUNICATIONS SYSTEMS

Course Number: AA30470C.

Location: 3310th Technical School, Scott AFB, IL.

Length: 19 weeks (570 hours).

Exhibit Dates: 4/54–12/68.

Objectives: To provide ground radio repairmen with advanced training in the maintenance, installation, and repair of ground radio equipment.

Instruction: Lectures and laboratories in administrative maintenance, electronic test equipment, advanced radio equipment maintenance, multiplex and associated equipment, single-sideband equipment and associated power amplifiers, and radio relay systems.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0223

AIRCRAFT ELECTRONIC
COUNTERMEASURES REPAIRMAN
(SURVEILLANCE EQUIPMENT)
(Aircraft ECM Repairman (Surveillance Equipment))
(Aircraft ECM Repairman (Reconnaissance Equipment))

Course Number: ABR30133A.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 28–34 weeks (840–930 hours).

Exhibit Dates: 6/55–12/68.

Objectives: To train enlisted personnel to operate and maintain specific ECM radio and radar equipment.

Instruction: Lectures and practical exercises in ECM radio and radar equipment operation and maintenance, including descriptive treatment of AC and DC circuits, vacuum tubes and transistors, radio electronics, and microwave principles; and radio and radar equipment maintenance procedures.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0224

1. AIRCRAFT ELECTRONIC
COUNTERMEASURES
REPAIRMEN (JAMMING EQUIPMENT)
(Aircraft ECM Repairman (Jamming Equipment))
2. AIRCRAFT ECM REPAIRMAN
(JAMMING EQUIPMENT)
(Aircraft Electronic Countermeasures Repairman (Jamming Equipment))

Course Number: ABR30133B.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 31–35 weeks (840–960 hours). *Version 2:* 27–30 weeks (810 hours).

Exhibit Dates: *Version 1:* 1/60–12/68. *Version 2:* 6/55–12/59.

Objectives: To train enlisted personnel to operate and maintain specific ECM equipment.

Instruction: *All Versions:* Lectures and practical exercises in ECM radio and radar equipment operation and maintenance, including a descriptive treatment of AC and DC circuits, vacuum tubes, radio electronics, microwave principles, and radio and radar equipment maintenance principles and practices. *Version 1:* Instruction includes transistor principles.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional examination (4/74). *Version 2:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0225

1. BOMB NAVIGATION SYSTEMS
TECHNICIAN (MA-6A, MA-7A
COMPUTER)
(Bomb Navigation Systems Technician (MA-6A and MA-7A Computer and Stab and Optics))
(Bomb Navigation Systems Technician (K, MA-6A, MA-7A Computer))
(Bomb Navigation Systems Technician (K-Series Computer))
(K-Series Computer Technician)
2. K-SERIES COMPUTER TECHNICIAN

Course Number: *Version 1:* AA32170ED. *All Versions:* AA32171ED.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 21–32 weeks (720–960 hours). *Version 2:* 19 weeks (570 hours).

Exhibit Dates: *Version 1:* 4/55–12/68. *Version 2:* 3/54–3/55.

Objectives: To train enlisted personnel to operate, maintain, and repair specific bomb navigation computers and stabilization and optics units.

Instruction: *All Versions:* Lectures and practical exercises in AC and DC circuits, tube and amplifier principles, technical publications, bomb navigation data flow, stabilization system servo loops, synchros and gyros, tracking computer maintenance, polar converter maintenance, bomb release computer, navigation control, ballistic control, optical systems, alignment, maintenance, bench checks, and troubleshooting. *Version 2:* Instruction includes K-series bomb navigation system fundamentals.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 2:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0226

1. BOMB NAVIGATION SYSTEMS
TECHNICIAN (MA-6A AND MA-7A
SYSTEMS)
2. BOMB NAVIGATION SYSTEMS
TECHNICIAN (MA-6A, MA-7A
SYSTEMS)
3. BOMB NAVIGATION SYSTEMS
TECHNICIAN (K, MA-6A, MA-7A
SYSTEMS)
(Bomb Navigation Systems Technician (K-Series Flight Line))

Course Number: *Version 1:* AAR32170E. *Version 2:* AAR32170E. *Version 3:* AA32170E.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 37 weeks (1110 hours). *Version 2:* 28–32 weeks (840–960 hours). *Version 3:* 22 weeks (660 hours).

Exhibit Dates: *Version 1:* 5/63–12/68. *Version 2:* 2/60–4/63. *Version 3:* 8/56–1/60.

Objectives: To train enlisted personnel to maintain, repair and service bomb navigation systems.

Instruction: *Version 1:* Lectures and laboratories in DC circuit analysis, series-parallel circuits, electromagnetism, generators and motors; AC circuit analysis, resonance, transients, transformers and servos; vacuum tubes and power supplies; electronic circuits, amplifiers, oscillators, non-sinusoidal generators and wave shaping circuits; transistors; principles of radar, oscillator, waveguide and transmission lines; system radar functions, system computer stabilization, and optics functions; and radar field maintenance. *Version 2:* Lectures and laboratories in mathematics and physics for electronic technicians, algebra, exponents, logarithms, trigonometry, vectors, optical and mechanical theory; DC circuits, series-parallel circuits, magnetism, generators and motors; AC circuit analysis, transformers, and synchors; vacuum tubes and power supplies, transistors, amplifiers, oscillators, non-sinusoidal generators, and wave shaping networks; radio and radar transmission and reception, microwave oscillators, waveguide and cavity resonators; system radar function, alignment, measurement, and adjustment; overall system data flow; and troubleshooting procedures. *Version 3:* Lectures and laboratores in system data flow review; detailed system data flow; system troubleshooting for K-Series; basic electricity, series-parallel circuits, Ohm's law, Kirchoff's law, impedance, and phase relationships; basic electronics and vacuum tubes; and application of electrical and electronic fundamentals to K-series bomb navigation systems.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0228

AN/TRC-87 FIELD AND ORGANIZATION (F & O) MAINTENANCE

Course Number: AZB30474-2.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 3 weeks (90 hours).

Exhibit Dates: 7/67–12/68.

Objectives: To train maintenance personnel to maintain AN/TRC-87 UHF communications equipment.

Instruction: Lectures and practical exercises in theory of operation, circuit and block analysis, tests, adjustment, troubleshooting, and repair of various radio components, and the use of associated test equipment.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0229

ELECTRONIC INTERCEPT OPERATIONS SPECIALIST

Course Number: ABR29230.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 13 weeks (360 hours).

Exhibit Dates: 12/60-12/68.

Objectives: To provide enlisted personnel with basic training in the principles of electronic intercept operations.

Instruction: Lectures and practical exercises in history and principles of electronic communication; principles, components, and terminology of electronic systems; functions, characteristics, and operation of intercept equipment; identification of electronic radiations; logs and logging procedures; and intercept station operational procedures and techniques. The course provides highly descriptive, nonanalytical training.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0230

1. GROUND COMMUNICATIONS EQUIPMENT TECHNICIAN (LIGHT) (Ground Communications Equipment Maintenance Technician (Light))
2. GROUND COMMUNICATIONS EQUIPMENT MAINTENANCE TECHNICIAL (LIGHT)

Course Number: AAR30472.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 31 weeks (940 hours). *Version 2:* 34 weeks (1020 hours).

Exhibit Dates: *Version 1:* 4/60-12/68. *Version 2:* 8/59-3/60.

Objectives: To train enlisted personnel to operate, maintain, and install low-powered ground communication equipment.

Instruction: Lectures and practical exercises in the installation, operation, and maintenance of low-powered ground communication equipment, including basic AC and DC circuits, electronic principles, advanced maintenance principles, HF and radioteletype systems, UHF communications systems, TV systems, data processing principles, and descriptive analysis of communication principles. Coverage of communication component and signal-processing blocks is more descriptive than analytical.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in shop management (4/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in shop management (4/74).

AF-1715-0231

F-104 FLIGHT CONTROL SPECIALIST

Course Number: SS42353-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 5 weeks (150 hours).

Exhibit Dates: 5/58-12/68.

Objectives: To train autopilot/compass systems repairmen to maintain and repair the F-104 flight control system.

Instruction: Lectures and practical exercises in the maintenance and repair of flight control systems, including hydraulic systems, rigging procedures, aerodynamics, gyroscopic principles, systems components, system interlock, 3-axis damper system, various circuits, and malfunction analysis, adjustment, and inspection of flight control systems.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0232

DEFENSIVE SYSTEM TRAINER TECHNICIAN (AN/ALQ-T4(V))

Course Number: 3AAR34271-B.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 9 weeks (270 hours).

Exhibit Dates: 10/68-12/73.

Objectives: To train enlisted personnel to operate and maintain a specific radar trainer system.

Instruction: Lectures and practical exercises in the operation, maintenance, and repair of the AN/ALQ-T4 radar equipment, including principles of electronics, circuits, receivers, and transmitters, and instruction in signal generation and system analysis.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0233

AN/FSS-7 RADAR MAINTENANCE (W/O AN/FSS EQUIPMENT) FOR FPS-26A EXPERIENCED PERSONNEL

Course Number: 3AZR30372-3.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 5 weeks (180 hours).

Exhibit Dates: 3/70-12/73.

Objectives: To train enlisted personnel with previous radar experience to maintain the AN/FSS-7 sea launched ballistic missile radar.

Instruction: Lectures in the maintenance of the AN/FSS-7 sea launched ballistic missile radar system, including block-diagram analysis, transmitter, search receivers, digital techniques, trigger timing and distribution, video processor, acquisition and track receiver, antenna and drive control, performance monitoring, and mode control.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0234

AIRCRAFT CONTROL AND WARNING (AC & W) RADAR REPAIRMAN (AN/GLR-1/FLR-12)

Course Number: 3AZR30352-2.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 22 weeks (660 hours).

Exhibit Dates: 7/70-12/73.

Objectives: To train airmen to repair a specific digital computer radar system.

Instruction: Lectures and practical exercises in the troubleshooting and repair of AN/GLR-1/FLR-12 radar equipment, including theory and application of system running lists and functional logic diagrams as applied to data handling devices, recorders, switching networks, receivers, antennas, displays, special devices, and limited system troubleshooting.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0235

AN/FSS-7 RADAR MAINTENANCE (W/O AN/FSS EQUIPMENT) FOR PERSONNEL W/O FPS-26A EXPERIENCE

Course Number: 3AZR30372-2.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 12 weeks (360 hours).

Exhibit Dates: 2/70-12/73.

Objectives: To train enlisted personnel to maintain a specific sea launched ballistic missile radar system.

Instruction: Lectures and practical exercises in the maintenance of the AN/FSS-7 sea launched ballistic missile radar system, including instruction in transmitters, digital techniques, block-diagram analysis, receivers, antenna drive, performance, monitoring and control, generators, ancillary equipment, and countermeasures.

Credit Recommendation: No credit because of the limited specialized nature of the course (4/74).

AF-1715-0236

AN/APS-107, AN/APR-31 (ER-142) RHAW SYSTEM

Course Number: 3ASR30153-2.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 4 weeks (120 hours).

Exhibit Dates: 3/68-12/73.

Objectives: To train airmen to maintain the AN/APS-107 radar system.

Instruction: Lectures and practical exercises in the maintenance of the AN/APS-107 radar system, including components, block-diagram analysis of circuits, systems operation, and adjustment and alignment procedures.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0237

AN/FPS-77 METEOROLOGICAL RADAR SET, FIELD/ORGANIZATIONAL (F/O)

Course Number: 3AZR30270.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 7 weeks (210 hours).

Exhibit Dates: 4/68-12/73.

Objectives: To train maintenance personnel to maintain and operate the AN/FPS-77 meteorological radar set.

Instruction: Lectures and practical exercises in the maintenance of the AN/FPS-77 meteorological radar set, including block analysis, circuit analysis, and troubleshooting of the indicators, transmitter, receiver, and antenna servo systems, and alignment and inspection techniques.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0238

GROUND RADIO COMMUNICATIONS EQUIPMENT TECHNICIAN (AN/GRC-137)

Course Number: 5ASO30474-6.

Location: Security Service School, Goodfellow AFB, TX.

Length: 3 weeks (90 hours).

Exhibit Dates: 9/71-12/73.

Objectives: To train radio equipment repairmen to maintain specific digital communications system equipment.

Instruction: Lectures and practical exercises in the maintenance of control site equipment, including components, operation and analysis of specific equipment, electronic fundamentals review, and use of associated test equipment. Treatment limited to the AN/URC-53 system and related equipment.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0239

Ground Communications Equipment Maintenance Technician (Heavy)

Course Number: AAR30473.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 31-42 weeks (930-1260 hours).

Exhibit Dates: 7/59-12/68.

Objectives: To provide enlisted personnel with advanced training in heavy radio communications equipment operation and maintenance.

Instruction: Lectures and practical exercises in radio communications equipment operation and maintenance, including basic electronic principles and concepts, electronic communications problem solving, publications, advanced equipment maintenance, diversity systems, scatter communications, shop practices, advanced electronic circuits, test equipment operation and maintenance, radio teletype equipment, systems repair, shop management, and SSB, receiving, and heavy transmitting equipment testing and repair.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in shop management (3/74).

AF-1715-0240

Ground Radio Communications Equipment Repairman (Long Haul Communications G/A and P/P)

(Ground Communications Repairman (Heavy)(SSB))

Course Number: AZR30454-2; AZR30453-2.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 5 weeks (150 hours).

Exhibit Dates: 7/61-12/68.

Objectives: To train enlisted personnel to test, repair, and maintain ground radio communications systems.

Instruction: Lectures and practical exercises in SSB ground communications equipment testing and maintenance, including aerospace communications complex introduction; equipment functional analysis and block analysis; transmitter site equipment operation and troubleshooting; and SSB system transmitter, receiver, amplifier, recorder, and antenna operation, maintenance, and troubleshooting procedures.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0241

AN/FPS-35 FD Radar Maintenance (Paper and Pencil)

Course Number: 2ASR30372-16.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 20 weeks (300 hours).

Exhibit Dates: 1/69-12/73.

Objectives: To train maintenance personnel to perform as radar technicians on the AN/FPS-35 FD radar set.

Instruction: Lectures and practical exercises in maintenance of AN/FPS-35, including theory of operation, procedure for performance checks on video equipment, transmitter and receiver systems, the MAJAC console, antenna and RF system, capabilities and limitations, and checks, alignments, and troubleshooting of the radar equipment. Maintenance material is oriented to specific equipment.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0242

AN/FPS-6 as Modified by OA-2325, Field and Organizational (F & O) Maintenance

Course Number: 2ASR30372-85.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 6 weeks (180 hours).

Exhibit Dates: 8/68-12/73.

Objectives: To train maintenance personnel to maintain and operate AN/FPS-6 radar sets.

Instruction: Lectures and practical exercises in the maintenance and repair of the AN/FPS-6 radar set, as modified by OA-2325, including principles of operation, performance checks, adjustment, alignment, and use of associated test equipment.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0243

Ground Radio Communications Technician (KWT-6 SSB)

Course Number: AZR30474-1.

Location: 3380th Technical School, Keesler AFB, TX.

Length: 5 weeks (150 hours).

Exhibit Dates: 8/65-12/68.

Objectives: To train maintenance personnel to repair a specific SSB radio system.

Instruction: Lectures and practical exercises in the operation, inspection, repair, and maintenance of a specific transistorized SSB radio system, including theory and concept of single-sideband communication, transistor theory and application, and analysis, alignment, and adjustment of specific systems using special and standard test equipment.

Credit Recommendation: In the upper-division baccalaureate category, credit in electronics laboratory on the basis of institutional evaluation (4/74).

AF-1715-0244

AN/FPS-24 FD Radar Maintenance (Paper and Pencil)

Course Number: 2ASR30372-18.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 7 weeks (210 hours).

Exhibit Dates: 11/68-12/73.

Objectives: To train enlisted personnel to maintain and repair the AN/FPS-24 radar system.

Instruction: Lectures and practical exercises in field and organizational maintenance of the AN/FPS-24 radar system, including instruction in theory of operation, capabilities and limitations, special features, and theoretical performance checks, alignments, and troubleshooting. Course is equipment oriented.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0245

Ground Radio Communications Equipment Repairman, WS-133A/A-M

(Ground Radio Communications Equipment Repairman, WS-133A)

Course Number: 3AZR30434-3; AZR30434-3.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 6-8 weeks (192-240 hours).

Exhibit Dates: 11/64-12/73.

Objectives: To train enlisted personnel to operate and maintain WS-133A/A-M radio communications equipment.

Instruction: Lectures and practical exercises in ground radio communications equipment repair, including weapon system familiarization; voice reporting signal assembly; launch facility security systems; and the UHF command radio system equipment operation, alignment, and maintenance.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0246

AN/GPN-12 Organizational/Intermediate (O/I) Maintenance

Course Number: 2ASR30371-1.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS.

Length: 6 weeks (180 hours).

Exhibit Dates: 2/73-12/73.

Objectives: To train enlisted personnel to maintain AN/GPN-12 radar sets.

Instruction: Lectures and practical exercises in system applications, analysis of equipment, performance tests, alignment, troubleshooting, repair, and check-out to the subassembly level. Course is highly equipment oriented.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0247

Pilotless Aircraft Control Systems Mechanic

Course Number: AB31230.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 18 weeks (540 hours).

Exhibit Dates: 8/54-12/68.

Objectives: To train enlisted personnel to test and repair aircraft control systems.

Instruction: Lectures and laboratories in DC and AC circuits, simple transients, vacuum tubes, electronic amplifiers, signal generators, wave shaping, and assembly, installation, maintenance, and testing of pilotless-aircraft control systems.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0248

Ground Radio Communications Equipment Repairman WS-133B

Course Number: 3AZR30434-4; AZR30434-4.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 8 weeks (240 hours).

Exhibit Dates: 4/66–12/73.

Objectives: To train airmen to operate, repair, and maintain security and radio systems.

Instruction: Lectures and practical exercises in the operation, repair, and maintenance of specific radio and security systems, test sets, and subsystems, and some treatment of components and circuitry.

Credit Recommendation: In the upper-division baccalaureate category, credit in radio repair on the basis of institutional evaluation (12/68).

AF-1715-0249

AN/FPS-8 (MPS-11), FPS-6 and GPA-122 Organizational/Intermediate (O/I) Maintenance

Course Number: 3AZR30372-15; 3ASR30372-10.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS.

Length: 5 weeks (162 hours).

Exhibit Dates: 1/73–12/73.

Objectives: To provided maintenance personnel with supplemental training in the maintenance of AN/FPS-8 and AN/FPS-6 radar sets and AN/GPS-122 coder-decoder groups.

Instruction: Lectures and practical exercises in alignment, adjustment, and trouble analysis of radar sets, and theory of operation, fault isolation, repair, check-out, and maintenance of coder-decoders. The course is equipment oriented, with some instruction in binary mathematics, logic functions, and basic circuit modules.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0250

F-111A Radar and Controls Test Stations Technician

Course Number: 3ALR32271-2.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 19 weeks (570 hours).

Exhibit Dates: 5/68–12/73.

Objectives: To train enlisted personnel to maintain radar and controls test stations.

Instruction: Lectures and practical exercises in theory, operation, and confidence testing of F-111A receiver-transmitter-modulator, video and servo, and indicator test stations; and maintenance procedures, technical publications, ground safety, and corrosion control.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0251

AN/TPS-44 Radar Organizational/Intermediate (O/I) Maintenance

Course Number: 4AST30352-16.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS.

Length: 4 weeks (160 hours).

Exhibit Dates: 4/72–12/73.

Objectives: To train enlisted personnel to test and maintain the AN/TPS-44 radar.

Instruction: Lectures and practical exercises in system function and description, including transmitters, AC power distribution, solid-state devices, receivers, indicators, and IFF/SIF; and test and maintenance procedures.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0252

AN/TSQ-96 Organizational/Intermediate (O/I) Maintenance

Course Number: 4AST30373-2.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 10 weeks (400 hours).

Exhibit Dates: 4/72–12/73.

Objectives: To train enlisted personnel to perform intermediate-level testing and maintenance on AN/TSQ-96 radar systems.

Instruction: Lectures and practical exercises in system function and description, subsystem functions and description, and test and maintenance procedures for radar systems equipment.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0253

Flight Facilities Equipment Repairman (Ranges and Beacons)

Course Number: AB30431A.

Location: *Version 1:* 3380th Technical School, Keesler AFB, MS. *Version 2:* 3310th Technical School, Scott AFB, IL.

Length: *Version 1:* 28 weeks (750 hours). *Version 2:* 16–17 weeks (480 hours).

Exhibit Dates: *Version 1:* 3/58–12/68. *Version 2:* 7/55–2/58.

Objectives: To train enlisted personnel to operate and maintain specific radio equipment.

Instruction: Lectures and practical exercises in basic electronics, including AC and DC circuits, vacuum tubes, electronic circuits, radio systems principles, and specific radio equipment components, operation, and maintenance techniques.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 2:* In the upper-division baccalaureate category, 1 semester hour in electricity and electronics for non-electronics majors (6/74).

AF-1715-0254

AN/APN-175(V)-3 Doppler Navigation System Maintenance

Course Number: 2ASR32874-011.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS.

Length: 4 weeks (170 hours).

Exhibit Dates: 8/72–12/73.

Objectives: To train personnel to maintain the AN/APN-175(V)-3 Doppler navigation system.

Instruction: Lectures and practical exercises in the treatment of the components and the maintenance techniques of this radar system, including principles, characteristics, utilization, and operation of the Doppler system; block-diagram and circuit analysis; operation, inspection, and troubleshooting procedures; basic air navigation with present-position computers; and characteristics and operation of navigational computers.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0255

TSEC/KW-22 Cryptographic Equipment Maintenance

Course Number: SS36371-7.

Location: 3700th Military Training Wing, Lackland AFB, TX.

Length: 10 weeks (300 hours).

Exhibit Dates: 3/58–12/68.

Objectives: To train enlisted personnel to install, maintain, and repair cryptographic equipment.

Instruction: Lectures and practical exercises in receiver and transmitter circuitry used in cryptographic equipment, block-diagram analysis, signal flow, receiver adjustments and preventive maintenance, corrective maintenance, installation procedures, and testing and adjusting.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0256

Bomb Navigation System Mechanic (MA-6A, MA-7A Systems) Televised

Course Number: ABR32130E (TV).

Location: 3415th Technical School, Lowry AFB, CO.

Length: 27 weeks (720 hours).

Exhibit Dates: 12/59–12/68.

Objectives: To train enlisted personnel to be bomb navigation system mechanics.

Instruction: Televised lectures and practical exercises in MA-6A and MA-7A bomb navigation systems mechanics, including AC and DC circuit principles, vacuum tubes and amplification, radar and servo systems, system radar and ICE theory and operational adjustments, after-installation checks and adjustments, and malfunction analysis.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in industrial technology (3/74).

AF-1715-0257

Unit Test Equipment (AN/ASQ-38)

Course Number: *Version 1:* 3AZR32150K. *All Versions:* AZR32150K.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 10 weeks (300 hours). *Version 2:* 7 weeks (210 hours).

Exhibit Dates: *Version 1:* 3/64–12/73. *Version 2:* 11/62–2/64.

Objectives: To train bomb navigation systems mechanics and technicians to repair and calibrate unit test equipment.

Instruction: Lectures and practical exercises in repair and calibration of radar test equipment, including amplifier, servo test set, electrical test set, power supply, radar data presentation, computer test set, radar performance tester, and boresight test set.

Credit Recommendation: *Version 1:* See explanatory note at the beginning of the Air Force section. *Version 2:* See explanatory note at the beginning of the Air Force section.

AF-1715-0258

Fire Control Systems Mechanic, MG-10 Radar

Course Number: AB32230G.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 55 weeks (1650 hours).

Exhibit Dates: 7/56–12/68.

Objectives: To train enlisted personnel to analyze and maintain MG-10 fire control systems.

Instruction: Lectures and practical exercises in MG-10 fire control systems maintenance and repair, including electrical theory, basic electronics, block-diagram analysis, signal flow, automatic flight control and data link, power generation and distribution, maintenance procedures, and field exercises.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in industrial technology for non-engineering majors (4/74).

AF-1715-0259

1. DEFENSIVE FIRE CONTROL SYSTEMS TECHNICIAN (A-3A, MD-9, ASG-15 TURRETS)
2. DEFENSIVE FIRE CONTROL SYSTEMS TECHNICIAN (A-3A, MD-9, ASG-15 TURRETS)
   (Defensive Fire Control Systems Technician (A-3A, MD-9, ASG-15 Fire Control Systems))
3. TURRET SYSTEMS TECHNICIAN (A-3A, MD-9, ASG-15 TURRETS)

Course Number: *Version 1:* 3AAR32370G. *Version 2:* 3AAR32370G; AAR32370G. *Version 3:* AAR32370G.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 13 weeks (390 hours). *Version 2:* 23–24 weeks (690–720 hours). *Version 3:* 26 weeks (780 hours).

Exhibit Dates: *Version 1:* 8/69–12/73. *Version 2:* 12/60–7/69. *Version 3:* 10/59–11/60.

Objectives: To train enlisted personnel to maintain defensive fire control systems and special test equipment.

Instruction: Lectures and practical exercises in fire control systems and special test equipment maintenance, including mechanical drive components, magnetic amplifiers, amplifiers, computer circuits, power supplies, frequency converters, modulators, pneumatic system, sweep generators, indicators, television, and radar maintenance.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0260

COMMUNICATIONS-ELECTRONICS ENGINEER

Course Number: 3OBR3051-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 26 weeks (768 hours).

Exhibit Dates: 3/71–12/73.

Objectives: To train officers to perform as communications-electronics engineers.

Instruction: Lectures and practical exercises in communications-electronics systems, including the development and management of test and evaluation programs; C-E systems survivability and serviceability; the inspection, survey, and engineering of complex C-E systems and facilities; communications of electronics career field; communications of electronics management; planning and programming; management analysis; and engineering principles.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in industrial technology, or as a technical elective in engineering (3/74).

AF-1715-0261

F-111 RADAR AND CONTROL TEST STATIONS TECHNICIAN

Course Number: ALR32271.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 26–27 weeks (780–810 hours).

Exhibit Dates: 6/66–12/68.

Objectives: To train enlisted personnel to analyze, troubleshoot, and repair specific radar and test equipment.

Instruction: Lectures and practical exercises in radar test equipment analysis, troubleshooting, and repair, including terrain-following radar and attack radar systems, video test station maintenance, digital logic circuitry, and intensive study of radar block-diagram analysis and signal flow.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical laboratory for non-electronics majors (3/74).

AF-1715-0262

1. BOMB NAVIGATION SYSTEMS MECHANIC (K, MA-6A, MA-7A SYSTEMS)
2. BOMB NAVIGATION SYSTEM MECHANIC (K, MA-6A, MA-7A SYSTEMS)
   (Bomb Navigation Systems Mechanic (K-Series))
   (K-Series System Mechanic)

Course Number: *All Versions:* AB32130E. *Version 2:* 32150E; 32150-6.

Location: *All Versions:* 3415th Technical School, Lowry AFB, CO. *Version 2:* Air Training Command, Scott AFB, IL.

Length: *Version 1:* 24 weeks (720 hours). *Version 2:* 20–24 weeks (600–630 hours).

Exhibit Dates: *Version 1:* 2/58–12/68. *Version 2:* 8/50–1/58.

Objectives: To train enlisted personnel to operate and maintain K, MA-6A, and MA-7A bomb navigation systems.

Instruction: Lectures and practical exercises in electricity, electronics, test equipment, system data flow, power distribution, radar and interconnection equipment, installation checks, and bomb navigation system troubleshooting.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0263

1. BOMB NAVIGATION SYSTEMS TECHNICIAN (ASB-4A/9A/16 SYSTEMS)
   (Bomb Navigation Systems Technician (ASB-4/4A/9/9A/16 Systems))
2. BOMB NAVIGATION SYSTEMS TECHNICIAN (ASB-4 AND ASB-9 SYSTEMS)
   (Bomb Navigation Systems Technician (ASB-4 Systems))

Course Number: AAR32170K.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 31–34 weeks (930–1080 hours). *Version 2:* 22 weeks (660 hours).

Exhibit Dates: *Version 1:* 9/61–12/68. *Version 2:* 6/59–8/61.

Objectives: To train enlisted personnel to test, troubleshoot, and repair ASB-4A/9A/16 bomb navigation systems.

Instruction: *All Versions:* Lectures and practical exercises in ASB-4A/9A/16 bomb navigation systems maintenance, including AC and DC circuit fundamentals; electronic circuits and devices; vacuum tubes; transistor circuit analysis; radar circuit analysis and radar equipment; bombing, navigation, and terrain computers; and system maintenance procedures. *Version 1:* Instruction includes semiconductors.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in electricity and electrical laboratory on the basis of institutional evaluation (3/74). *Version 2:* In the upper-division baccalaureate category, credit in electricity and electrical laboratory on the basis of institutional evaluation (12/68).

AF-1715-0264

BOMB NAVIGATION SYSTEMS (FLIGHT LINE MECHANIC)

Course Number: SS32150K-2.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 15 weeks (450 hours).

Exhibit Dates: 2/58–12/68.

Objectives: To train enlisted personnel to maintain the MA-2/ASB-4 bomb navigation system.

Instruction: Lectures and practical exercises in MA-2/ASB-4 bomb navigation system maintenance, including bombing computer and navigation computer, radar data presentation set, high-speed bombing radar, and system maintenance procedures. Instruction is limited to general theory and maintenance of specific equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0265

AN/MPQ-T2A (THEORY)

Course Number: 3AZR30353-0.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS.

Length: 6 weeks (244 hours).

Exhibit Dates: 5/73–12/73.

Objectives: To train enlisted personnel to operate the AN/MPQ-T2A radar system.

Instruction: Lectures and practical exercises in the operation, functional and circuit analysis, and theoretical troubleshooting of various radar and computer components of the AN/MPQ-T2A, including system block diagram, electromagnetic radiation hazards, power distribution, transmitting systems, receiving systems, range-tracking system, angle-tracking system, S/C band video display and pedestal positioning, and error computer and recording devices.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (3/74).

AF-1715-0266

ELECTRONIC DIGITAL DATA PROCESSING EQUIPMENT MAINTENANCE TECHNICIAN (AN/FSQ-7 SYSTEMS TECHNICIAN)

Course Number: ATS30571-34.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 15 weeks (600 hours).

Exhibit Dates: 7/62–12/68.

Objectives: To train selected AN/FSQ-7 maintenance specialists for duty as systems technicians.

Instruction: Lectures and practical exercises in the principles and applications of the AN/FSQ-7 computer, including the memory and control devices, line printer, card reader, card recorder, tape system, and other input-output devices.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in data processing—computer operation (12/68).

AF-1715-0267

1. BOMB NAVIGATION SYSTEMS MECHANIC (MA-6A AND MA-7A SYSTEMS)
2. BOMB NAVIGATION SYSTEM MECHANIC (MA-6A, MA-7A SYSTEMS)
3. BOMB NAVIGATION SYSTEMS MECHANIC (MA-6A, MA-7A SYSTEMS)

Course Number: ABR32130E.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 37 weeks (1020 hours). *Version 2:* 30 weeks (810–870 hours). *Version 3:* 24 weeks (720 hours).

Exhibit Dates: *Version 1:* 7/62–12/68. *Version 2:* 9/59–6/62. *Version 3:* 10/58–8/59.

Objectives: To train enlisted personnel to be apprentice bomb navigation system mechanics.

Instruction: Lectures and practical exercises in AC and DC circuits, RLC circuits, reactance, impedance, vacuum tubes and solid-state devices, amplifiers, oscillators, radar circuit analysis, microwave operation, multivibrators, sweep and logic circuits, mathematics (below calculus level), and bomb navigation system maintenance.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0268

BOMB NAVIGATION SYSTEMS MECHANIC (K-5 SERIES)

Course Number: AB32130J.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 37 weeks (1020 hours).

Exhibit Dates: 4/56–12/68.

Objectives: To train enlisted personnel to operate, align, adjust, and maintain K-5 bomb navigation systems and test equipment.

Instruction: Lectures and practical experience in K-5 bomb navigation systems alignment, adjustment, operation, and maintenance, including AC and DC circuit fundamentals, vacuum tubes and power supply circuits, amplifier and oscillator principles, servo systems, radar transmitting and receiving, computer tracking and sighting, mathematics (below calculus level), optics, and organizational maintenance and associated equipment.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0269

WEAPONS CONTROL SYSTEMS MECHANIC (MG-3, MG-10, MG-13 COMPUTER AND CONTROLS)

Course Number: AL32231H.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 23 weeks (690 hours).

Exhibit Dates: 10/57–12/68.

Objectives: To train experienced maintenance personnel to maintain the computer section of the MG-10 weapons control system.

Instruction: Lectures and practical exercises in MG-10 weapons control systems, including analysis of subsystems and computer controls, system tie-in, power generation and distribution, computer functions, data link, and field exercises.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0270

WEAPONS CONTROL SYSTEMS MECHANIC (MG-13 COMPUTER AND CONTROLS)

Course Number: AL32231H-2.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 32 weeks (960 hours).

Exhibit Dates: 7/58–12/68.

Objectives: To train enlisted personnel to check, adjust, inspect, and isolate malfunctions of the computer and control functions of the MG-13 weapons control system.

Instruction: Lectures and practical exercises in weapons control systems introduction, radar and computer introduction, power generation and distribution function, armament system and controlling functions, pilots display function and radar data link, and specialized tests and field exercises.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0271

WEAPONS CONTROL SYSTEMS MECHANIC (MG-3, MG-10 COMPUTER CONTROLS)

Course Number: ALR32231H-1.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 33 weeks (990 hours).

Exhibit Dates: 8/58–12/68.

Objectives: To train enlisted personnel to check, adjust, inspect, and isolate malfunctions on the MG-3/10 weapons control system.

Instruction: Lectures and practical exercises in MG-3/10 weapons control system inspection, adjustment, and malfunction isolation, including introduction to radar and computer systems, power generation and distribution, flight-sensing functions and attack steering function, various computer circuits, test sets, data link, pitch and yaw damper system, interceptor control function, system self-tests, and tie-in of radar and computer functions. Instruction is specialized and descriptive in nature.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0272

WEAPONS CONTROL SYSTEMS MECHANIC (MG-3, MG-10, MG-13 COMPUTER CONTROLS)

Course Number: *Version 1:* ABR32231H. *Version 2:* AB32231H.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 50 weeks (1482 hours). *Version 2:* 42 weeks (1170 hours).

Exhibit Dates: *Version 1:* 1/58–12/68. *Version 2:* 7/57–12/57.

Objectives: To train enlisted personnel to operate and maintain MG-3, MG-10, and MG-13 weapons control systems.

Instruction: *All Versions:* Lectures and practical exercises in MG-3, MG-10, and MG-13 weapons control systems maintenance and operation, including AC and DC circuit fundamentals, vacuum tubes, electronic circuits, power supplies, oscillators, sweep generators, radar principles, servomechanisms, and special devices associated with weapons control systems computer controls. *Version 2:* Emphasizes specific weapons control devices without any general theory.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 1 semester hour in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0273

AIR SURVEILLANCE (SAGE)

Course Number: OZR1744B-4.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 6 weeks (180 hours). *Version 2:* 8 weeks (240 hours).

Exhibit Dates: *Version 1:* 4/61–12/68. *Version 2:* 8/60–3/61.

Objectives: To train officers to operate and direct operations in SAGE direction centers.

Instruction: Lectures and practical exercises in organizational and functional concepts, communications, symbology interpretation, equipment, and procedures of air surveillance officers in communication network centers.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (3/74).

AF-1715-0274

NAVIGATION AND BOMBING TRAINER SPECIALIST (AN/APQ-T3)

Course Number: AB34330B.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 29 weeks (840 hours).

Exhibit Dates: 4/56–12/68.

Objectives: To train enlisted personnel to install, operate, maintain, and repair navigation and bombing trainers and associated electronic test equipment.

Instruction: Lectures and laboratories in DC and AC circuit analysis, vacuum tube principles, amplifiers and oscillators, radar circuitry, and preventive maintenance and operation of navigation and bombing trainers.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electronics, and 1 in electronics laboratory for non-electrical engineering majors (3/74).

AF-1715-0275

UNIT TEST EQUIPMENT (AN/ASQ-48)

Course Number: AZR32150L; AZR32150E.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 4-5 weeks (120-150 hours).

Exhibit Dates: 11/62–12/68.

Objectives: To train bomb navigation system mechanics or technicians to operate, repair, and calibrate AN/ASQ-48 unit test equipment.

Instruction: Lectures and laboratories in the operation, circuit analysis, and calibration of unit test equipment.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0276

Data Processor/Display (AN/FYQ-9), Field/Organizational (F/O) Maintenance

Course Number: 3AZR30573-1; AZR30573-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 8 weeks (240 hours).

Exhibit Dates: 10/66-12/73.

Objectives: To train enlisted personnel to perform field and organizational maintenance on AN/FYQ-9 data processors and display systems.

Instruction: Lectures and laboratories in introduction to common logic equipment; basic circuit and logic symbols; power supplies, distribution, and indicator lamps; drum memory and timing; computer interface; projector displays; and read-out controls.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0277

Compass Link Maintenance

Course Number: 3AZR30450-4.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS.

Length: 4 weeks (120-153 hours).

Exhibit Dates: 3/73-12/73.

Objectives: To train maintenance personnel to maintain and operate compass link radio equipment.

Instruction: Lectures and practical exercises in the maintenance of compass link radio equipment, including principles of logic circuitry, electronic circuit analysis, principles of operation, adjustments and system performance testing, and use of associated test equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0278

Intermediate Maintenance, A-7D Weapons Control System (WCS)

Course Number: 2ASR32271S.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 19 weeks (582 hours).

Exhibit Dates: 7/71-12/73.

Objectives: To train airmen to perform as weapon control system technicians.

Instruction: Lectures and practical exercises in the maintenance of weapon control systems, including safety and security; block-diagram analysis; trouble analysis; flight line maintenance; use of associated test equipment; electronic principles; tactical computer analysis, control, and test set; head-up display; and radar system.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0279

Special Training AN/TPN-12 (GCA)

Course Number: ATS30371-5.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 5 weeks (150 hours).

Exhibit Dates: 10/59-12/68.

Objectives: To train enlisted personnel to inspect, operate, and maintain the lightweight GCA AN/TPN-12 radar set.

Instruction: Lectures and practical exercises in lightweight GCA AN/TPN-12 radar set inspection, operation, and maintenance, including functional analysis of modulator, transmitter, receiver, indicators, antenna, and power distribution subsystems. Emphasis is on adjustments, troubleshooting, and repair of equipment.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0280

Decibel Radar Target Prediction and Simulation

Course Number: SS2044-3.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 2 weeks (78 hours).

Exhibit Dates: 7/57-12/68.

Objectives: To train enlisted personnel to make radar target predictions and to construct plates simulating radar presentation of the target complex.

Instruction: Lectures in general radar target prediction and simulation techniques, plate cutting, and evaluation of simulation plates.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0281

Radar Siting, Calibration and Evaluation

Course Number: SS3041-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 5 weeks (150 hours).

Exhibit Dates: 9/54-12/68.

Objectives: To train officers to site, calibrate, and evaluate aircraft control and warning radar equipment and to supervise these activities.

Instruction: Lectures and practical exercises in electromagnetic propagation; the effects of topography and climate on radar propagation; maps, charts, and surveying; photography; and radar equipment siting, calibration, and evaluation.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0282

Aircraft Early Warning Radar Maintenance Technician

Course Number: AAR30172.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 38 weeks (1140 hours).

Exhibit Dates: 9/59-12/68.

Objectives: To train enlisted personnel to maintain aircraft early warning radar equipment.

Instruction: Lectures and practical exercises in aircraft early warning radar equipment maintenance, including use of algebra and trigonometry for solving mathematics problems related to electronic circuits; circuit analysis of AC and DC circuits, transformers, switches, relays, motors, transmission lines, wave-guides, special-purpose tubes, and test equipment; and functional circuit analysis of power supplies, amplifiers, wave-shaping circuits, oscillators, servos, and modulators. Emphasis is on operation of specific equipment receivers, transmitters, indicators, antennas, and related test equipment.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in shop management (4/74).

AF-1715-0283

AN/APQ-24A System Technician

Course Number: AA32171F.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 15 weeks (450 hours).

Exhibit Dates: 8/54-12/68.

Objectives: To train enlisted personnel to maintain and repair the AN/APQ-24A bomb navigation system.

Instruction: Lectures and practical exercises in AN/APQ-24A bomb navigation system maintenance, including power circuit, transmitter, receiver, sweep circuits, indicators, antenna drive and control, and central power sources circuit analysis. Emphasis is on test equipment usage and troubleshooting procedures.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0284

Ground Radio Maintenance Technician

Course Number: AA-30470A.

Location: 3310th Technical School, Scott AFB, IL.

Length: 19 weeks (570 hours).

Exhibit Dates: 5/54-12/68.

Objectives: To provide radio repairmen with training in advanced maintenance techniques.

Instruction: Lectures and practical exercises in advanced maintenance techniques for ground radio equipment, including descriptive treatment of electronic test equipment, transmission lines and antennas, radio relay equipment and systems, radioteletypewriter equipment and systems, and UHF communications equipment; and maintenance techniques as applied to specific radio equipment.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0285

Ground Radio Maintenance Technician, Navigational Aids, Communications Systems

Course Number: AA30470B.

Location: 3310th Technical School, Scott AFB, IL.

Length: 19 weeks (570 hours).

Exhibit Dates: 5/54-12/68.

Objectives: To provide radio repairmen with training in advanced maintenance techniques for ground radio equipment.

Instruction: Lectures and practical exercises in advanced maintenance techniques for ground radio equipment, including descriptive treatment of electronic test equipment, transmission lines, and antennas; administrative maintenance practices; UHF communications equipment; and radio direction-finding systems, radio range systems, and instrument landing systems maintenance.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0286

MA-2/ASB-4 Bomb Navigation Systems (Radar and Computer Technician)

Course Number: SS32170K-2.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 22 weeks (660 hours).
Exhibit Dates: 2/58–12/68.
Objectives: To train enlisted personnel to troubleshoot and repair bomb navigation systems.
Instruction: Lectures and practical exercises in bomb navigation systems troubleshooting and repair, including MA-2/ASB-4 bomb navigation system fundamentals, bombing computer and navigation computer operation and maintenance, radar data presentation set maintenance, high-speed bombing radar and system maintenance, and field repair procedures.
Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0287

MA-2/ASB-4 Bomb Navigation Systems (Analyst Supervisor)

Course Number: SS32170K-1.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 20 weeks (600 hours).
Exhibit Dates: 2/58–12/68.
Objectives: To train enlisted personnel to troubleshoot and maintain bomb navigation systems.
Instruction: Lectures and practical exercises in MA-2/ASB-4 bomb navigation systems troubleshooting and maintenance, including analysis and repair of specific electronic systems, signal flow, and block-diagram analysis.
Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0288

Air Defense Artillery Director (SAGE)

Course Number: OZR1176, OZA1176.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 5–6 weeks (150–180 hours).
Exhibit Dates: 8/60–12/68.
Objectives: To train officers and enlisted personnel to be air defense artillery directors and assistants in SAGE direction centers.
Instruction: Lectures and practical exercises in SAGE organizational and functional concepts, communications, symbology interpretation, and equipment operation.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (3/74).

AF-1715-0289

Assistant Air Defense Artillery Director (SAGE)

Course Number: AZA16360.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 6 weeks (180 hours).
Exhibit Dates: 8/60–5/65.
Objectives: To train enlisted personnel to be assistant air defense artillery directors at a SAGE direction center.
Instruction: Lectures and practical exercises in SAGE organizational and functional concepts, communications, symbology interpretation, and equipment operation.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (3/74).

AF-1715-0290

Officers Phase I, Atomic Energy

Course Number: OB3200.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 23 weeks (690 hours).
Exhibit Dates: 10/54–12/68.
Objectives: To train officers in the fundamental principles of electronics.
Instruction: Lectures and practical exercises in electronics, including theory and principles of direct and alternating currents, vacuum tubes; vacuum tube amplifier and oscillator circuits; receiver, transmitter, and special electronic circuits; microwave energy; and application of fundamental electronic principles to radar equipment.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0291

1. **Aerospace Photographic Systems Repairman**
2. **Aerospace Photographic Systems Repairman**
   (Photographic Repairman)
3. **Photographic Repairman**

Course Number: *Version 1:* 3ABR40230. *All Versions:* ABR40230. *Version 3:* AB40230.
Location: 3415th Technical School, Lowry AFB, CO.
Length: *Version 1:* 20–22 weeks (600–640 hours). *Version 2:* 26–35 weeks (750–960 hours). *Version 3:* 30–33 weeks (810–900 hours).
Exhibit Dates: *Version 1:* 4/67–12/73. *Version 2:* 5/64–3/67. *Version 3:* 3/58–4/64.
Objectives: To train airmen to repair aerospace photographic systems or to maintain and install photographic equipment, including electronic photographic equipment control devices.
Instruction: *All Versions:* Lectures and practical exercises in the repair of aerospace photographic systems or the maintenance and installation of photographic equipment, including electronic photographic equipment control devices, analysis of electrical and electronic circuits, photographic equipment systems, basic electronics principles, reconnaissance aerospace electronics photographic systems and control systems, and ground support photographic equipment. *Version 1:* Includes operation and components of RF-4C aerospace infrared detection and data display system. *Version 2:* Includes operation and components of RF-4C aerospace infrared detection and data display system, and additional instruction on electronic circuits and test equipment. *Version 3:* Includes motion picture projectors, IMC equipment operation and principles, gun, strike, and MP cameras and equipment, and automatic printers and processors.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in electrical laboratory, and credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0292

Control Systems Mechanic (TM-61C)

Course Number: ABR31230H.
Location: 3415th Technical Training Wing, Lowry AFB, CO.
Length: 19–22 weeks (540–570 hours).
Exhibit Dates: 9/58–12/68.
Objectives: To train airmen to perform as control systems mechanics on TM-61C series missiles.
Instruction: Lectures and practical exercises in the functions of control systems mechanics on TM-61C series missiles, including AC and DC circuit analysis, relays, switching devices, oscilloscopes, amplifiers, vacuum tubes, specific weapon systems; fuel, hydraulic, and electrical systems; guided missile control system fundamentals; and block diagrams, signal flow, and test procedures for specific equipment.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0293

Controls Systems Mechanic

Course Number: ABR31230.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 26 weeks (690 hours).
Exhibit Dates: 10/58–12/68.
Objectives: To train airmen to perform as missile control system mechanics.
Instruction: Lectures and practical exercises in the duties of missile control systems mechanics, including basic electricity, physics, and aerodynamics; propulsion, launching, and navigation and guidance systems; vacuum tubes, amplification, and wave shaping; oscilloscope construction, synchros and servomechanisms, control system and gyros, pneumatic-electric system, hydraulic-electric system, computer and amplifier functions, actuating units, and specific missile equipment orientation.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0294

Ballistic Missile Analyst Specialist (PGM-16D)
(Ballistic Missile Analyst Specialist (SM65D))

Course Number: ABR31234B.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 18 weeks (540 hours).
Exhibit Dates: 7/62–12/68.
Objectives: To train airmen to perform as apprentice ballistic missile analyst specialists.
Instruction: Lectures and practical exercises in the duties of apprentice ballistic missile analyst specialists, including weapon system familiarization; programmer and power supplies; programmer analog response assemblies; discrete test and display control assemblies; launch control, airframe,

and electrical system and power distribution; propellant storage and transfer and pneumatic systems; hydraulics and propulsion systems; radio guidance, autopilot, and re-entry vehicle systems operation; and maintenance procedures and testing of specific equipment.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0295

Ballistic Missile Analyst Specialist (HGM-16F)
(Ballistic Missile Analyst Specialist (SM-65F))

Course Number: ABR31234D.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 19 weeks (570 hours).
Exhibit Dates: 9/62–12/68.
Objectives: To train airmen to perform as apprentice ballistic missile analyst specialists.
Instruction: Lectures and practical exercises in ballistic missile analysis, including facility equipment, electrical system, missile fundamentals and lifting system; propellant storage and transfer systems; pneumatics, hydraulics, and propulsion systems; propellant utilization; inertial guidance, flight control, autopilot component analysis, re-entry vehicle analysis, missile launch control, and check-out and calibration procedures.
Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0296

Ballistic Missile Checkout Equipment Technician, SM-80

Course Number: ATS31275G-1.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 25 weeks (750 hours).
Exhibit Dates: 7/62–12/68.
Objectives: To train personnel as ballistic missile technicians on the SM-80 check-out equipment.
Instruction: Lectures and practical exercises on the theory of operation, system analysis, alignment, calibration verification, adjustment, and general maintenance of SM-80 check-out equipment, including system familiarization, introduction to logic and test equipment, electronic programming test center operation and maintenance, test adapter group, communications and launch control console test set, and integrated fault isolation and calibration.
Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0297

Ballistic Missile Inertial Guidance Mechanic
(Ballistic Missile Inertial Guidance Mechanic (SM-68B) (LGM-25C))

Course Number: ABR31232F.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 8 weeks (240 hours).
Exhibit Dates: 7/62–12/68.
Objectives: To train personnel as ballistic missile inertial guidance mechanics.
Instruction: Lectures and practical exercises on the operation of ballistic missile inertial guidance equipment, including system data flow and description of components, stabilization and erection loops and components, azimuth alignments, malfunction isolation, missile guidance computer, MGC test states and inspection, and check-out and analysis of AGE controls and components.
Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0298

Flight Control System Analyst, SM-62

Course Number: ATS31451B-1.
Location: Technical Training Center, Amarillo AFB, TX.
Length: 6 weeks (360 hours).
Exhibit Dates: 2/59–12/68.
Objectives: To train personnel as flight control system analysts for SM-62 systems.
Instruction: Lectures and practical exercises on the operation and components of the SM-62, including missile familiarization; use and operation of analyzers, standard test equipment, and associated ground support equipment; location and operation of flight control system modules and components; application of data flow techniques to analyze flight control system function; removal and replacement of malfunctioning modules and components; alignments check; and adjustments of missile flight control systems.
Credit Recommendation: In the upper-division baccalaureate category, credit in electricity and electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0299

Ballistic Missile Check-Out Equipment Specialist, WS-133A
(Ballistic Missile Check-Out Equipment Specialist, SM-80)

Course Number: ABR31235G.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 35–43 weeks (960–1200 hours).
Exhibit Dates: 7/62–12/68.
Objectives: To train enlisted personnel to be ballistic missile check-out equipment specialists.
Instruction: Lectures and practical exercises in electronic fundamentals, amplifiers, oscillators, power supplies, digital logic, oscilloscopes, communications and launch control console, photoelectronic collimator and guidance and control coupler test sets, electronic programming test center operation and maintenance, aerospace ground equipment, and integrated fault isolation and calibration.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0300

Ballistic Missile Analyst Specialist (PGM-16E)
(Ballistic Missile Analyst Specialist (SM-65E))

Course Number: ABR31234C.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 18 weeks (540 hours).
Exhibit Dates: 11/61–12/68.
Objectives: To train enlisted personnel to be ballistic missile analyst specialists.
Instruction: Lectures and practical exercises in PGM-16E introduction; launch control, airframe, electrical, and facility equipment; propellant storage and transfer, pneumatics, hydraulics, propulsion, and propellant utilization system; inertial guidance, flight control, and re-entry vehicle; missile systems launch control; and electrical check-out vehicle and composite check-out of missile systems.
Credit Recommendation: In the upper-division baccalaureate category, credit in electricity or electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0301

Electrician/Electrical Technician, SM-68B

Course Number: ATC54250F-1; ATS54250F-2.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 10 weeks (300 hours).
Exhibit Dates: 11/61–12/68.
Objectives: To train personnel as electricians and electrical technicians for SM-68B systems.
Instruction: Lectures and practical exercises on organization, operation, maintenance and repair of the electrical systems of a missile facility, including power distribution, warning and air conditioning systems, silo water and elevator systems, power supplies and test equipment, motor generators, weapon system familiarization and safety, and inspection, servicing and repair of electrical components of air conditioning systems.
Credit Recommendation: In the upper-division baccalaureate category, credit in electricity and electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0302

Ballistic Missile Radio Guidance Mechanic (SM-68A)

Course Number: ABR31231E.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 20 weeks (600 hours).
Exhibit Dates: 3/62–12/68.
Objectives: To train airmen who have had previous training in missile systems fundamentals to perform as apprentice ballistic missile radio guidance mechanics.
Instruction: Lectures and practical exercises in the operation and maintenance of ballistic missile radio guidance systems, including ground guidance radar data flow, guided missile test set data flow, guidance system loops (timing, tracking, monitoring, guidance exercises, maintenance, guidance conditioning, and status), chassis maintenance, and inspection and troubleshooting procedures.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0303

Ballistic Missile Launch Equipment Repairman/Technician, SM-68B

Course Number: ATS31276F-3.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 11–13 weeks (330–390 hours).
Exhibit Dates: 1/62–12/68.
Objectives: To train enlisted personnel to maintain ballistic missile launch equipment.
Instruction: Lectures and practical exercises in the maintenance of ballistic missile launch equipment, including weapon system familiarization, analysis of digital circuitry and special circuits, launch control, control

monitor group, and power distribution control logic analysis, launch control set, flight control system, and analysis and components of the hazard sensing and damage control systems.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0304

BALLISTIC MISSILE CHECKOUT EQUIPMENT SPECIALIST/TECHNICIAN, SM-68B

Course Number: ATS31275F-3.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 13 weeks (390 hours).

Exhibit Dates: 1/62-12/68.

Objectives: To train enlisted personnel to operate, inspect, repair, and maintain ballistic missile check-out equipment.

Instruction: Lectures and practical exercises in the operation, inspection, repair, and maintenance of ballistic missile checkout equipment, including weapon system familiarization, analysis of digital circuitry, and special circuits, launch control set operation, electronic test stand operation, fault location equipment, monitoring equipment, portable check-out equipment use, and propellant transfer system and rocket engine test set.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0305

BALLISTIC MISSILE LAUNCH EQUIPMENT TECHNICIAN, SM-80

Course Number: ATS31276G-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 18 weeks (540 hours).

Exhibit Dates: 8/62-12/68.

Objectives: To train maintenance personnel to operate, test, and maintain ballistic missile launch equipment.

Instruction: Lectures and practical exercises in the operation, testing, and maintenance of ballistic missile launch equipment, including guidance and control coupler and systems; transistors and digital techniques, specific equipment components and data processing equipment and communications systems, missile targeting and alignment set operation, power distribution, control indicator, and programmer, signal decoder and controller logic; programmer group familiarization and sequencer logic; launch control system, systems integration, and strategic missile support base equipment.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0306

ELECTRICAL POWER PRODUCTION SPECIALIST/TECHNICIAN, SM-68B

Course Number: ATS54350-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 8 weeks (240 hours).

Exhibit Dates: 1/62-12/68.

Objectives: To train airmen to perform as electrical power production specialist/technicians in SM-68B missile facilities.

Instruction: Lectures and practical exercises in electrical power production in SM-68B missile facilities, including weapon system familiarization; operating principles and maintenance of diesel engines, systems, and components; engine governors and associated components; powerhouse auxiliary equipment; alternators, exciters, voltage regulators, and switchgear components; electrical system wiring diagrams; power unit operation; and use of electrical test equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0307

ELECTRICIAN/SUPERVISOR (SM-68)

Course Number: ATS56150-4.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 13 weeks (390 hours).

Exhibit Dates: 5/61-12/68.

Objectives: To train airmen to perform as electricians/supervisors in WS107A-2 ballistic missile installations.

Instruction: Lectures and practical exercises in the duties of electricians/supervisors in WS107A-2 ballistic missile installations, including electronic circuit analysis, troubleshooting, maintenance, repair and operation of various power supplies, computer motor-generator, guidance motor-generator, facilities sensors, detectors and amplifiers, launcher and electrical systems, hydraulic system, and power distribution; and electrical and electronic test equipment.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electricity, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0308

DEFENSE MISSILE GUIDANCE MECHANIC, IM-99B

Course Number: ABR31131K.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 35 weeks (960 hours).

Exhibit Dates: 8/61-12/68.

Objectives: To train enlisted personnel to test and maintain the IM-99B missile guidance system.

Instruction: Lectures and practical exercises in the testing and maintenance of the IM-99B missile guidance system, including AC and DC principles, vacuum tubes, transistors, amplifiers, motors, servomechanisms, microwave principles, oscilloscopes, magnetism, guidance transponder, fuse and target seeker systems, and operation of the command system and specific equipment.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0309

DEFENSE MISSILE GUIDANCE MECHANIC, IM-99A

Course Number: ABR31131J.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 28 weeks (750 hours).

Exhibit Dates: 8/61-12/68.

Objectives: To train enlisted personnel to operate, maintain, inspect, and repair the IM-99A interceptor missile guidance systems and related aerospace ground equipment.

Instruction: Lectures and practical exercises in the operation, maintenance, inspection, and repair of the IM-99A interceptor missile guidance systems and related aerospace ground equipment, including electronic fundamentals (various circuits, vacuum tubes, transistors, amplifiers, oscillators, motors, servos, multivibrators, microwave principles, and oscilloscopes), weapon and command system components, target seeker, and check-out equipment and procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0310

DEFENSE MISSILE CHECKOUT EQUIPMENT TECHNICIAN, IM-99B

(Missile Test Equipment Technician (Guidance), IM-99B)

Course Number: ATS31173K-1; ATS31570N-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 26 weeks (780 hours).

Exhibit Dates: 4/61-12/68.

Objectives: To train enlisted personnel to troubleshoot, calibrate, and maintain the guidance section of missile test equipment.

Instruction: Lectures and practical exercises in the troubleshooting, calibration, and maintenance of the guidance section of missile test equipment, including operation of specific missile test equipments (oscilloscopes, generators, timers, analyzers, and voltmeters), microwave and radar system calibration, programmer evaluator data flow and circuitry, guidance transponder operation and simulator, fuse system, radar system, command system and check-out procedures.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0311

ELECTRICAL SYSTEMS MAINTENANCE LGM-25

Course Number: AZR54250F.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 5 weeks (150 hours).

Exhibit Dates: 9/65-12/68.

Objectives: To train electricians to maintain the Titan II missile facility electric power distribution system and utility electrical aerospace ground equipment.

Instruction: Lectures and practical exercises in the maintenance of the Titan II missile facility electric power distribution system and utility electrical aerospace ground equipment, including weapon system familiarization, AC and DC principles, transistors, and power supplies, and components, operation, and analysis of specific facility systems, controls, and equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0312

ELECTRICIAN/SUPERVISOR (SM-65F)

Course Number: ATS54270D-1; ATS56150-9.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 13 weeks (390 hours).

Exhibit Dates: 5/61-12/68.

Objectives: To train enlisted personnel to perform as electricians and supervisors for electrical conversion, transmission, and distribution components of the SM-65F ballistic missile and associated ground support equipment.

Instruction: Lectures and practical exercises in electrical conversion, transmission, and distribution components of the SM-65F ballistic missile and associated ground support equipment, including AC and DC circuit analysis; transistors, transformers, and motor controllers; electric motors; power generation system; protector systems; propellant transfer and missile-lifting systems; and operation, circuit analysis, and troubleshooting of various components.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electricity, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0313

Ballistic Missile Inertial Guidance Technician/Mechanic (SM-65F)
(Guidance System Technician/Mechanic (SM-65F))

Course Number: ATS31272A-1; ATS31170P-4.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 16 weeks (480 hours).

Exhibit Dates: 5/61-12/68.

Objectives: To train enlisted personnel to perform as SM-65F guidance system technicians or mechanics.

Instruction: Lectures and practical exercises in the duties of SM-65F guidance system technicians and mechanics, including electronic theory, transistor theory and circuits, binary arithmetic, computer logic and basic circuits, component analysis of platform and control, servomechanisms, angular deviation sensing, alignment group operation, countdown group function, power supply, and testing and maintenance of various systems and components.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0314

Defense Missile Guidance Mechanic/Technician, IM-99B

Course Number: ATS31151K-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 18 weeks (540 hours).

Exhibit Dates: 3/62-12/68.

Objectives: To train enlisted personnel to operate, test, and maintain the IM-99B guidance system.

Instruction: Lectures and practical exercises in the operation, testing, and maintenance of the IM-99B guidance system, including electrical and electronic circuits and principles, radar fundamentals, power supply circuit analysis, computer system conversion, command and fuze systems, guidance transponder operation and testing, target seeker, soldering of electronic components, and troubleshooting techniques.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0315

Missile Systems Analyst Technician (SM-65F)

Course Number: ATS31470P-8.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 24 weeks (720 hours).

Exhibit Dates: 4/61-12/68.

Objectives: To train enlisted personnel to perform as missile systems analyst technicians.

Instruction: Lectures and practical exercises in the duties of missile systems analyst technicians at launch silo and control center and missile assembly areas, including digital electronics, logic, nonlinear wave shaping, analog test assemblies, discrete test and display assemblies, launch control, system and subsystems, electrical system for missiles and facility, flight control and missile guidance systems, and inspection, monitoring, and troubleshooting of various components.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0316

Ballistic Missile Checkout Equipment Specialist (SM65D)

Course Number: ABR31235B.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 14-17 weeks (420-510 hours).

Exhibit Dates: 10/61-12/68.

Objectives: To train airmen to operate and maintain missile launch, guidance, and programming check-out equipment.

Instruction: Lectures and practical exercises in the operation and maintenance of missile launch, guidance, and programming check-out equipment, including power supplies, digital-to-analog conversion, switching units, signal generation, encoder and decoder operation, launch control system equipment, troubleshooting techniques for specific equipment and use of associated test equipment.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0317

Ballistic Missile Radio Guidance Mechanic (SM-65D)

Course Number: ABR31231A.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 7 weeks (210 hours).

Exhibit Dates: 7/62-12/68.

Objectives: To train personnel to perform as ballistic missile radio guidance mechanics.

Instruction: Lectures and practical exercises in ballistic missile radio inertial guidance, including instruction and practice in security, ground safety, technical publications, maintenance and removal of the airborne missile guidance set decoder circuit analysis and adjustment, operation and maintenance of semiautomatic test equipment (SATE), track and command loop data flow, and decoder validation check-out malfunction analysis.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0318

Control Systems Mechanic, GAM-72

Course Number: ABR31230Q.

Location: Technical Training Center, Amarillo AFB, TX.

Length: 23 weeks (600 hours).

Exhibit Dates: 2/60-12/68.

Objectives: To train airmen to perform as apprentice control systems mechanics.

Instruction: Lectures and practical exercises in the duties of apprentice control systems mechanics, including electrical fundamentals, DC and AC circuit analysis, magnetism, vacuum tube principles, power supplies, oscillators, wave-shaping circuits; flight control system assemblies and test equipment, aerodynamics and sensor circuits, and inspection and troubleshooting procedures.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0319

Ballistic Missile Analyst Technician (SM-65F)

Course Number: ATS31274D-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 24 weeks (720 hours).

Exhibit Dates: 10/61-12/68.

Objectives: To train airmen to perform as missile system analysts for launch silo and control and missile assembly areas.

Instruction: Lectures and practical exercises in missile systems analysis for launch silo and control and missile assembly areas, including digital computer fundamentals; transistor theory; multivibrators and counters; amplifiers; power supplies; launch control, airframe, facility equipment, and electrical subsystems; propellant storage and transfer; pneumatic subsystems; hydraulic and propulsion subsystems; inertial guidance; and autopilot and re-entry vehicle operation and check-out procedures.

Credit Recommendation: In the upper-division baccalaureate category, credit in electronics on the basis of institutional evaluation (3/74).

AF-1715-0320

Control Systems Analyst (GAM-72)

Course Number: ABR31431Q.

Location: Technical Training Center, Amarillo AFB, TX.

Length: 15 weeks (420 hours).

Exhibit Dates: 2/60-12/68.

Objectives: To train airmen to perform as apprentice control systems analysts for GAM-72 equipment.

Instruction: Lectures and practical exercises in the duties of apprentice control systems analysts for GAM-72 equipment, including electrical fundamentals, DC and AC circuit analysis, vacuum tube principles, AC and DC motors, test equipment and power supplies, electronic circuit analysis, missile fundamentals, missile components, computer, power supply, and inspection and maintenance procedures on specific equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0321

Ballistic Missile Control Mechanic (HGM-25A)
(Ballistic Missile Control Mechanic (SM-68A))

Course Number: ABR31233E.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 9 weeks (270 hours).

Exhibit Dates: 8/62-12/73.

Objectives: To train personnel who have completed a course in missile systems fundamentals to perform as apprentice ballistic missile control mechanics.

Instruction: Lectures and practical exercises on ballistic missile weapon system and flight control operation and maintenance, including weapon system familiarization, introduction to flight control system, three-axis reference assembly, command assembly, signal selector and programmer check assembly, flight control system checker circuit analysis and maintenance, power supply assembly, and system alignment.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0322

GAM-83 Pilot Ground Trainer Operator/Maintenance

Course Number: ADS34250-3.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 4 weeks (160 hours).

Exhibit Dates: 7/62-12/68.

Objectives: To train enlisted personnel to perform as GAM-83 pilot ground trainer operators or maintenance technicians.

Instruction: Lectures and practical exercises on the operation, maintenance, inspection, and repair of the GAM-83 missile, including general information; detailed description of missile dynamics and control; installation requirements; systems location; mathematics; basic computer theory and applications; theory and operation of computer and recorder systems; testing, troubleshooting, and repairing computer and recorder systems and components; and preparation, operation and maintenance of the visual system.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0323

1. Avionics Officer (Other)
2. Avionics Officer (Other) (Air Electronics Officer)
3. Air Electronics Officer, Fighter A/C
4. Air Electronics Officer

Course Number: *Version 1:* 3OBR3231C. *Version 2:* OBR3231C. *Version 3:* OB3051B. *Version 2:* OB3051. *Version 4:* OB3051.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 30 weeks (900 hours). *Version 2:* 39-41 weeks (1170-1240 hours). *Version 3:* 17 weeks (510 hours). *Version 4:* 41 weeks (1230 hours).

Exhibit Dates: *Version 1:* 4/69-12/73. *Version 2:* 3/66-3/69. *Version 3:* 1/57-2/58. *Version 4:* 11/54-12/56.

Objectives: To train officers to supervise and manage avionics maintenance.

Instruction: Lectures and practical exercises in avionics maintenance management, including AC and DC circuits, transistors, electron tubes, power supplies, amplifiers, nonlinear wave shaping, communication techniques, microwaves, technical publications, supply functions, flight control and radio navigation aids, aircraft radar systems, electronic warfare systems and weapons control, and management and supervision.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the upper-division baccalaureate category, 6 semester hours in electricity or electronics, 3 in shop management, and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in electricity or electronics (4/74), 2 in shop management (12/68), and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 4:* In the upper-division baccalaureate category, 6 semester hours in electricity or electronics (4/74), 3 in shop management (12/68), and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0324

1. Electronic Warfare Technician (Aircraft ECM Maintenance Technician)
2. Aircraft ECM Maintenance Technician (Electronic Countermeasures Maintenance Technician)

Course Number: *Version 1:* AAR30173. *Version 2:* AA30173; AA30270.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 36-40 weeks (1080-1200 hours). *Version 2:* 17-19 weeks (510-570 hours).

Exhibit Dates: *Version 1:* 5/59-12/68. *Version 2:* 3/54-4/59.

Objectives: To train enlisted personnel to be aircraft electronic countermeasures maintenance technicians.

Instruction: Lectures and practical exercises in aircraft electronic countermeasures maintenance techniques, including basic mathematics, AC and DC circuits, power supplies, vacuum tubes and transistors, digital computer, electronic communication circuits, and system test equipment operation.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in shop management, and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in shop management, and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0325

Guidance Systems Mechanic (GAR-3)

Course Number: ABR31130E-2.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 24 weeks (630 hours).

Exhibit Dates: 10/58-12/68.

Objectives: To train airmen to perform as guidance systems mechanics on GAR-3 missiles.

Instruction: Lectures and practical exercises in the duties of guidance systems mechanics on GAR-3 missiles, including principles of electricity, analysis of various circuits, magnetism and electromagnetism, transformers, reactors, resonance and capacitance, vacuum tubes and power supplies, amplifier and wave-shaping circuits, basic GAR circuits and components, analysis of GAR missile systems, operation of the tracking and power function and control system, block-diagram analysis of systems checks, and troubleshooting procedures.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0326

Guidance Systems Mechanics

Course Number: ABR31130.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 26 weeks (690 hours).

Exhibit Dates: 10/58-12/68.

Objectives: To teach airmen electrical and electronic fundamentals and components of missile guidance systems.

Instruction: Lectures and practical exercises in electrical and electronic fundamentals and components of missile guidance systems, including physics of motion, aerodynamics, launching methods, navigation, basic electricity, AC circuitry, vacuum tubes and transistors, amplification, wave shaping and multivibrators, oscilloscope construction, synchros and servomechanisms, missile guidance systems block diagrams, RF transmission, radar sensors, systems components, and specific missile and console equipment.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0327

Guidance Systems Mechanic (Ballistic Missile Inertial)

Course Number: ABR31130P-2.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 24 weeks (630 hours).

Exhibit Dates: 1/61-12/68.

Objectives: To train airmen to perform as apprentice guidance systems mechanics.

Instruction: Lectures and practical exercises in the duties of apprentice guidance systems mechanics, including binary mathematics, AC and DC circuit fundamentals, oscilloscope, transformers and synchros, vacuum tubes, power supplies amplifiers, wave-shaping circuits, logic circuitry, inertial guidance systems operation and principles, gyros, mode switching, loop operation and troubleshooting, system data flow, power distribution, ground support equipment, electronic control unit testing, and missile inspection and maintenance.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity and electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0328

GAR-3A/4A Field and Organizational (F & O) Maintenance Technician

Course Number: ATS31150E-4.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 12 weeks (360 hours).

Exhibit Dates: 10/60-12/68.

Objectives: To train experienced repairmen to maintain the GAR 3A/4A missile.

Instruction: Lectures and practical exercises in the maintenance of the GAR 3A/4A missile, including functional analysis of the range tracking, steering, power, armament, and propulsion systems; missile disassembly and assembly; console components and block diagrams; circuit analysis of antenna, phase, and crosstalk functions; range tracking equipment analysis; oscilloscope and electronic switch; damping and internal power function; power supplies; associated equipment analyses; and troubleshooting and calibration procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0329

Missile Systems Analyst Technician, WS-133A-M Integrated

Course Number: 3AZR31670G-5.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL.

Length: 6 weeks (180-240 hours).

Exhibit Dates: 1/73-12/73.

Objectives: To train airmen to perform as missile systems analyst technicians.

Instruction: Lectures and practical exercises in the duties of missile systems analyst technicians, including weapon system familiarization, time-sharing concepts, digital communications procedures, specific equipment operation, ground equipment, aerospace vehicle equipment, integrated data flow, and fault analysis and alignment procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0330

Automatic Flight Control System Technician (HH-53)

Course Number: 3AZR32570-0.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 3 weeks (90 hours).

Exhibit Dates: 8/71-12/73.

Objectives: To train enlisted personnel to maintain the HH-53 helicopter's automatic flight control systems.

Instruction: Lectures and practical exercises in the maintenance of the HH-53 helicopter, including electrical system, automatic flight control systems function and components, power distribution, hydraulics, systems integration, and testing and troubleshooting procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0331

Missile Mechanic (CGM-13B, LCH Prep)

Course Number: 3ABR44330L-3; ABR44330L-3.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 14 weeks (378-390 hours).

Exhibit Dates: 9/66-12/73.

Objectives: To train airmen to maintain CGM-13B missiles and to operate aerospace ground equipment.

Instruction: Lectures and practical exercises in the duties of missile mechanics for CGM-13B missiles and associated aerospace ground equipment, including missile fundamentals; AC and DC circuit principles; electrical, aerodynamic, propulsion, and basic hydraulic principles; specific equipment configuration; repair of electrical, hydraulic, propulsion and fuel subsystems; installation and removal of ordnance and cabling; launch area equipment operation; and troubleshooting techniques.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0332

Missile Systems Analyst Technician (SM68)

Course Number: ATS31470P-3.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 21 weeks (630 hours).

Exhibit Dates: 2/61-12/68.

Objectives: To train enlisted personnel to perform as missile systems analyst technicians.

Instruction: Lectures and practical exercises in the duties of missile systems analyst technicians, including basic electricity, electrical systems equipment operation and analysis, missile engine operation and components, propulsion and hydraulic systems, flight control system operation and testing, radio guidance system (radar operation, computer, guidance sets and test sets), launcher system and antenna protecting and elevating set, re-entry vehicle and control center consoles and control equipment, ground handling equipment, communications, and check-out and maintenance procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0333

Missile Systems Analyst Technician (TEAT), WS-133B

Course Number: 3AZR31670H-1.

Location: *Version 1:* School of Applied Aerospace Sciences, Chanute AFB, IL. *Version 2:* 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 12 weeks (383 hours). *Version 2:* 10 weeks (300 hours).

Exhibit Dates: *Version 1:* 1/73-12/73. *Version 2:* 6/68-12/72.

Objectives: To train maintenance personnel as missile systems analyst technicians.

Instruction: *All Versions:* Lectures and practical exercises in the duties of missile systems analyst technicians, including digital techniques used in guidance and control systems, cable and radio message processing control group, status authentication system, synchronizer-buffer group, and fault analysis. *Version 1:* Includes command generator unit, electromagnetic pulse sensor system, airborne computer, and flight controls and ordnance devices.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0334

Missile Test Equipment Specialist (SM65, 68)

Course Number: ALR31530P.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 19 weeks (570 hours).

Exhibit Dates: 10/60-12/68.

Objectives: To train airmen to perform as missile test equipment specialists.

Instruction: Lectures and practical exercises in the operation and maintenance of missile test equipment, including basic mathematics, principles of physics, AC and DC circuits, basic electronics, solid-state devices, digital techniques, pulse circuits, digital/analog converters, launch control system, guidance system test equipment, and test equipment components.

Credit Recommendation: In the upper-division baccalaureate category, credit in electricity and electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0335

Missile Systems Analyst/Technician SM-62

Course Number: ATS31470B-1.

Location: Technical Training Center, Amarillo AFB, TX.

Length: 24 weeks (720 hours).

Exhibit Dates: 1/59-12/68.

Objectives: To train personnel to perform as SM-62 missile systems analyst/technicians.

Instruction: Lectures and practical exercises on the SM-62 missile, including missile familiarization; location of modules and components; evaluation of operational check-outs and calibrations of the flight control, guidance, optical, electronic and electromechanical systems; operation of analyzers; use of ground support equipment; and other associated systems and equipment necessary to appraise the status of the entire missile and to supervise activities in the alert area.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0336

Missile Test Equipment Technician, GAM-77

Course Number: ATS31570B-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 18 weeks (540 hours).

Exhibit Dates: 4/61-12/68.

Objectives: To train maintenance personnel to align and repair GAM-77 special test equipment.

Instruction: Lectures and practical exercises in the alignment and repair of GAM-77 special test equipment, including circuit analysis of block and schematic diagrams of specific test equipment; removal, replacement, and test of assemblies, components, and units of test equipment (including hydraulic and pneumatic system servicing units); and trouble analysis of the interconnecting wiring of test equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0337

Missile Test Equipment Technician (Propulsion and Propellants) (SM68)

Course Number: ATS31570P-10.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 18 weeks (540 hours).

Exhibit Dates: 7/61-12/68.

Objectives: To train enlisted personnel to maintain missile electronic equipment.

Instruction: Lectures and practical exercises in the maintenance of missile electronic equipment, including data flow analysis of specific systems; circuit analysis of propellant loading and pressurization system check-out equipment, electronic equipment test stand, and engine control system check-out equipment; light logic circuits; Titan systems familiarization; ground equipment; and inspection, troubleshooting, and repair techniques.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0338

Missile Test Equipment Technician (Control), IM-99B

Course Number: ATS31570N-2.
Location: 3345th Technical School, Chanute AFB, TX.
Length: 20 weeks (600 hours).
Exhibit Dates: 4/61-12/68.
Objectives: To train enlisted personnel to operate, maintain, and test electrical launch equipment, mobile inspection units, weapon support calibration equipment, and the electronic portion of control-related auxiliary equipment.
Instruction: Lectures and practical exercises in the operation, maintenance, and testing of electrical launch equipment, mobile inspection units, weapon support calibration equipment, and the electronic portion of control-related auxiliary equipment, including transistors, digital computers, printed circuits, soldering, test equipment operation, power distribution system, and functional theory, calibration, inspection, and troubleshooting of specific equipment.
Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0339

Squadron Operations Center and Data Handling Equipment Repairman

Course Number: ATS30452-2.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 16 weeks (480 hours).
Exhibit Dates: 8/61-12/68.
Objectives: To train enlisted personnel to operate and maintain weapon system communications, data handling, and missile status display equipment.
Instruction: Lectures and practical exercises in the operation and maintenance of weapon system communications, data handling, and missile status display equipment, including soldering techniques, transistor theory and logic cards, power supplies, communications system, prelaunch acquisition system translator components, command signal and address decoders, launcher status, summarizer and multiplexer circuits and component assemblies, prelaunch status simulator, status selector and comparator circuits and component assemblies, digital techniques, and troubleshooting procedures.
Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0340

Missile Systems Analyst Technician, WS-133A-M

Course Number: AZR31670G-2.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 6 weeks (192 hours).
Exhibit Dates: 7/67-12/68.
Objectives: To train personnel to perform as missile systems analyst technicians.
Instruction: Lectures and practical exercises on the theory, operation, maintenance, and inspection of guided missile electronic systems, including check-out procedures; fault isolation; adjustment, removal, replacement, and repair of missiles; missile components; aerospace ground equipment; control and monitor systems; guidance and control systems; and integrated systems.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0341

Airborne Radio Repairman

Course Number: AB30130-2.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 31 weeks (930 hours).
Exhibit Dates: 9/54-12/68.
Objectives: To train airmen to tune, operate, maintain, and repair airborne radio and related navigational equipment at the apprentice level.
Instruction: Lectures and practical exercises in the installation, operation, maintenance, and repair of specific airborne radio and related navigational equipment. Instruction includes electronic principles, AC and DC fundamentals, vacuum tube circuits, and modulation and high-frequency techniques.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical laboratory (4/74).

AF-1715-0342

AN/APX-76 Interrogator Field/Organizational (F/O) Maintenance

Course Number: 2ASR30171-18.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 4 weeks (120 hours).
Exhibit Dates: 3/69-12/73.
Objectives: To train enlisted personnel to maintain AN/APX-76 interrogator equipment.
Instruction: Lectures and practical exercises in the maintenance of AN/APX-76 interrogator equipment, including review of IFF principles, logic symbols and diagrams, analysis of associated aerospace ground equipment, and analysis of timing, coding, receiving, decoding, display, and special circuits.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0343

Missile Officer, WS-133B

Course Number: *Version 1:* 3OBR3121H. *Version 2:* OBR3121H. *Version 3:* OBR3121G-2.
Location: 3345th Technical School, Chanute AFB, IL.
Length: *Version 1:* 12 weeks (360 hours). *Version 2:* 13 weeks (390 hours). *Version 3:* 15 weeks (450 hours).
Exhibit Dates: *Version 1:* 3/69-12/73. *Version 2:* 3/66-2/69. *Version 3:* 4/65-2/66.
Objectives: To train officers as WS-133B missile officers.
Instruction: *All Versions:* Lectures and practical exercises on the WS-133B missile system, including missile alignment, maintenance management, and missile electrical and electronic systems. *Version 1:* Topics include Air Force management, missile fundamentals, and WS-133B general familiarization. *Version 2:* Topics include Air Force management, missile fundamentals, WS-133B general familiarization, and missile facility systems. *Version 3:* Topics include weapon system introduction and orientation, launch facility equipment, and maintenance sequences.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 1 semester hour in electrical or electronic laboratory or 1 as a technical elective for nontechnical students (7/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in shop management (12/68). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in shop management (12/68).

AF-1715-0344

1. Missile Systems Analyst Specialist, WS-133A
2. Missile Systems Analyst Specialist, WS-133A
   (Ballistic Missile Analyst Specialist, WS-133A)
   (Ballistic Missile Analyst Specialist, SM-80)

Course Number: *Version 1:* 3ABR31630G. *All Versions:* ABR31630G. *Version 2:* ABR31234G.
Location: 3345th Technical School, Chanute AFB, IL.
Length: *Version 1:* 35 weeks (960 hours). *Version 2:* 37-38 weeks (1020-1050 hours).
Exhibit Dates: *Version 1:* 9/67-12/73. *Version 2:* 8/62-8/67.
Objectives: To train airmen as WS-133A missile systems analyst specialists.
Instruction: *All Versions:* Lectures and practical exercises in the operation, inspection, check-out and periodic maintenance of WS-133A systems, including the launch facility, launch control facility, support base, aerospace ground equipment, electronic principles, propulsion systems, alignment and adjustment of targeting system, assembly and installation of components, use of standard and specialized test equipment, and inspection and maintenance. *Version 1:* Topics include missile maintenance management, nuclear safety, weapon system familiarization, launch control facility familiarization, and maintenance facility familiarization. *Version 2:* Topics include launch facility and launch control facility power systems, and environmental control systems, corrosion control, security system, personnel access procedures, launch and communication control consoles, consoles test set, communications and control system, and programmer group and guidance and control coupler and integrated systems maintenance.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 1 semester hour in electrical laboratory (7/74). *Version 2:* In the upper-division baccalaureate category, 1 semester hour in electronic laboratory (7/74).

AF-1715-0345

Missile Systems Analyst Specialist, WS-133A
(Ballistic Missile Analyst Speicialist, WS-133A)

Course Number: ALR31630G; ALR31234G-3.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 18-20 weeks (540-600 hours).
Exhibit Dates: 10/65-12/68.
Objectives: To train personnel as WS-133A ballistic missile analyst specialists.
Instruction: Lectures and practical exercises in the operation, inspection, check-out, and periodic maintenance of WS-133A systems, including the launch facility, launch control facility, support base, aerospace ground equipment, electronic principles, propulsion systems, alignment and adjustment of targeting system, assembly and installation of components, use of standardized and specialized test equipment, inspec-

tion and maintenance records, and publications.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electronic laboratory (7/74).

AF-1715-0346

Ground Radio Communications Equipment Repairman (AN/FLR-9(V))

Course Number: 3AZR30454-6.

Location: *Version 1:* School of Applied Aerospace Sciences, Keesler AFB, MS. *Version 2:* 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 15 weeks (616 hours). *Version 2:* 16 weeks (480 hours).

Exhibit Dates: *Version 1:* 7/73-12/73. *Version 2:* 7/68-6/73.

Objectives: To train enlisted personnel to be ground radio communications equipment repairmen.

Instruction: Lectures and practical exercises in digital techniques, antenna group, radio frequency distribution, direction finding, access control, and communications equipment repair procedures. Instruction is general; technical information is limited.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in digital computer laboratory on the basis of institutional evaluation (4/74). *Version 2:* In the upper-division baccalaureate category, credit in digital computers on the basis of institutional evaluation (12/68).

AF-1715-0347

Special Electronic Equipment Specialist

Course Number: AB30430-1.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 40 weeks (1170 hours).

Exhibit Dates: 5/55-12/68.

Objectives: To train enlisted personnel to operate and maintain special electronic equipment.

Instruction: Lectures and practical experience in special electronic equipment operation and maintenance, including AC and DC electrical fundamentals, vacuum tubes, amplifier and receiver circuits, oscillators, transmitters, construction of oscilloscope kit, and special circuits.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0348

Electronic Digital Data Processing Equipment Repairman, Central Computer (416L-AN/FSQ-7)

Course Number: ATS30551B-3.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 19 weeks (760 hours).

Exhibit Dates: 7/62-12/68.

Objectives: To train enlisted personnel to be AN/FSQ-7 central computer repairmen.

Instruction: Lectures and practical exercises in AN/FSQ-7 central computer repair, including theory and application of digital data processing and computer principles, computer numbering systems principles, AN/FSQ-7 memory devices, computer control devices; and computer logic and logic circuit analysis.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours as an elective in computer software, 3 as an elective in computer hardware (4/74).

AF-1715-0349

Electronic Digital Data Processing Specialist/Technician

Course Number: ATS30551-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 25 weeks (750 hours).

Exhibit Dates: 2/61-12/68.

Objectives: To train enlisted personnel to maintain and repair the WS-107A-2 guidance computer.

Instruction: Lectures and practical exercises in WS-107A-2 guidance computer maintenance and repair, including weapon system familiarization and computer fundamentals, power supplies, control section, arithmetic section, magnetic drum and electronic circuit test set, magnetic cores and digital-to-digital converter, data flow theory, operating procedures and operational check-outs, chassis removal and replacement, and troubleshooting procedures.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0350

Special Electronics Equipment Specialist, Q System

Course Number: AB30430-2.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 39 weeks (1080 hours).

Exhibit Dates: 10/56-12/68.

Objectives: To train enlisted personnel to operate and maintain special electronics equipment.

Instruction: Lectures and practical exercises in special electronics equipment operation and maintenance, including AC and DC fundamentals, vacuum tubes, amplifiers, oscillators, transmitter and receiver principles, special circuits, construction of oscilloscope kit, introduction to Q system, calibration and alignment of system, recording and processing, and film analysis and reporting.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0351

Electronic Communications and Cryptographic Equipment Systems Repairman (Encrypted Digital Data Terminals)(EDDT)

Course Number: 3ABR30630F.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 36-39 weeks (1080 hours).

Exhibit Dates: 8/69-12/73.

Objectives: To train enlisted personnel to be electronic communications and cryptographic equipment repairmen.

Instruction: Lectures and practical exercises in electronic communications and cryptographic equipment repair, including AC and DC circuit theory, electronic circuits, digital circuits, motors and generators, computer peripheral equipment, solid-state power supplies and amplifiers, and soldering techniques and test equipment operation.

Credit Recommendation: In the upper-division baccalaureate category, 5 semester hours in digital computers, and credit in digital computer laboratory on the basis of institutional evaluation (4/74).

AF-1715-0352

Aircraft Control and Warning Operator

(Aircraft Control and Warning Operator (Manual))

Course Number: ABR27330; ABR27330A.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 5-11 weeks (180-240 hours).

Exhibit Dates: 6/55-12/68.

Objectives: To train enlisted personnel to be aircraft control and warning operators.

Instruction: Lectures and practical exercises in aircraft control and warning fundamentals, basic manual operations, surveillance station procedures; and computerized systems, including SAGE system operational concept, automatic data conversion and transmission, computer fundamentals, BUIC operational concepts, and weapons control principles.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0353

Missile Mechanic, WS-133B

Course Number: 3ABR44330H; ABR44330H; ABR44330G-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 17-24 weeks (474-630 hours).

Exhibit Dates: 11/64-12/73.

Objectives: To train enlisted personnel to maintain WS-133B aerospace ground equipment and real-property equipment.

Instruction: Lectures and practical exercises in WS-133B missile fundamentals, including aerospace hardware, security, safety, hand and special tools, and publications; electrical fundamentals, including principles of electricity, electrical components, and circuit analysis; and AGE fundamentals, including nuclear safety, pneudraulic systems, gasoline and diesel engine systems, ground heater systems, and refrigeration systems operation.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0354

Missile Mechanic, WS-133B

Course Number: ALR44330G.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 11 weeks (330 hours).

Exhibit Dates: 9/65-12/68.

Objectives: To train enlisted personnel to maintain WS-133B aerospace ground equipment and real-property equipment.

Instruction: Lectures and practical exercises in WS-133B aerospace ground equipment and real-property equipment maintenance, including missile launching and employment; missile fundamentals; electrical fundamentals; and AGE fundamentals, including principles of physics, reciprocating engine principles, pneudralic principles, hydraulic systems, and ground heater and refrigeration principles.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0355

Weapons Control Systems Technician (MG-13 Computer-Controls)

Course Number: AAR32271H-2.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 38 weeks (1140 hours).

Exhibit Dates: 8/58–12/68.

Objectives: To train airmen to perform as weapons control systems technicians.

Instruction: Lectures and practical exercises in the duties of weapons control systems technicians, including oscilloscope, meter and impedance device operation, power generation and distribution, flight sensing function, attitude indicator; jump angle ballistics computer, attack steering, timing and firing, parameter setting time missile power and armament controlling, pilots display, and data link functions; optical sight, signal generator, and systems testing.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0356

Electronic Switching Center, AN/TTC-19

Course Number: 3AZR30551-4.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 9 weeks (360 hours).

Exhibit Dates: 8/68–12/73.

Objectives: To train maintenance personnel to maintain specific switching-center equipment.

Instruction: Lectures and practical exercises in AN/TTC-19 switching-center equipment maintenance, including transmission network, line scanner and marker, contract memory control, registers, end instruments, and test equipment. Instruction is specific in nature and at a practical level.

Credit Recommendation: In the upper-division baccalaureate category, credit in electronic communications laboratory on the basis of institutional evaluation (4/74).

AF-1715-0357

AN/TRC-97A Radio Set, Organizational/Intermediate (O/I) Maintenance (407L)

(AN/TRC-97A Radio Set, Field/Organizational (F/O) Maintenance (407L))

Course Number: 3AZR30450-1.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS; 3380th Technical School, Keesler AFB, MS.

Length: 6–7 weeks (168–210 hours).

Exhibit Dates: 10/68–12/73.

Objectives: To train maintenance personnel to maintain the AN/TRC-97A radio set.

Instruction: Lectures and practical exercises in AN/TRC-97A radio set maintenance, including technical characteristics and system orientation, semiconductor devices and circuits, equipment siting and antenna erection, radio set principles of operation, installation and alignment procedures, and system troubleshooting.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0358

Ground Radio Communications Equipment Repairman (WS-133A/B)

Course Number: 3AZR30454-9.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 6 weeks (180 hours).

Exhibit Dates: 11/68–12/73.

Objectives: To train airmen to repair ground radio communication equipment.

Instruction: Lectures and practical exercises in the operation, installation, repair, and maintenance of ground communication transmitters, receivers, transceivers, single-sideband equipment, antenna systems, and associated test equipment peculiar to missile complexes; and electronic principles, special circuits, ground C-E maintenance management, publications, maintenance data collection forms and missile safety.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0359

Avionics Officer

Course Number: 3OBR4041; 3OBR3231.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 21–23 weeks (678 hours).

Exhibit Dates: 7/70–12/73.

Objectives: To train officers to supervise the installation, maintenance, and repair of avionics systems.

Instruction: Lectures and practical exercises in the supervision of avionics systems installation, maintenance, and repair, and in background electronics fundamentals, including DC and AC principles; solid-state devices and electron tubes; power supplies; amplifiers and wave-shaping circuits; transmitter and receiver principles; digital computer fundamentals; and specific avionics systems (navigation, communications, warfare and attack aircraft systems, tactical fighter systems, and liaison aircraft).

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electronics and avionics (4/74).

AF-1715-0360

Electronic Fuel Control Repairman

Course Number: AB42332.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 19 weeks (540 hours).

Exhibit Dates: 10/54–12/68.

Objectives: To train personnel as electronic fuel control repairmen.

Instruction: Lectures and practical exercises on the operation, maintenance, repair, and adjustment of electronic fuel control equipment, including fundamentals; theory and application of electrical circuits; integrated electronic control operating principles; IEC test and repair; component repair; engine starting, operation, and shutdown; and fuel control system inspection, maintenance practices, and test equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0361

Missile Systems Analyst Technician, WS-133A-M

(Missile Systems Analyst Technician (T and A), WS-133A-M)

Course Number: 3AZR31670G-3; AZR31670G-3.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 7 weeks (198–210 hours).

Exhibit Dates: 8/67–12/73.

Objectives: To train enlisted personnel to operate and maintain WS-133A-M missile electronic systems.

Instruction: Lectures and practical exercises in WS-133A-M missile electronic systems operation and maintenance, including power supplies; digital fundamentals; system fault analysis; test equipment operation; and check-out, removal, replacement, and repair of missile system components and associated support equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0362

Airborne Electronic Navigation Equipment Repairman

Course Number: AB30131A; AB30131.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 31–32 weeks (840–960 hours).

Exhibit Dates: 11/54–12/68.

Objectives: To train airmen to operate, maintain, and repair airborne search-navigation radar systems, electronic navigation equipment and related test equipment.

Instruction: Lectures and practical exercises in the operation, maintenance, and repair of airborne search-navigation radar systems, electronic navigation equipment and related test equipment, including electricity and magnetism, AC and DC circuits, motors, generators, oscilloscopes, vacuum tubes and transistors, amplifiers, transmitter-receivers, power supplies, modulation, microwave energy propagation and synchros, application of fundamentals to radar equipment, special circuits, and specific equipment analysis.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0363

AN/MSQ-35 Radar Bomb Scoring Central F/O

Course Number: AZR30353-26.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 19 weeks (570 hours).

Exhibit Dates: 6/65–12/68.

Objectives: To train enlisted personnel to operate, maintain, and repair the AN/MSQ-35 bomb scoring central and associated identification and test equipment.

Instruction: Lectures and practical exercises in the operation, maintenance, and repair of the AN/MSQ-35 bomb scoring central and associated identification and test equipment, including specialized theory, analysis, and components of acquisition radar; IFF system and display; analog computer, data-plotting and -recording equipment; ballistics computations group and television systems; computer principles and track mode; and troubleshooting techniques.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0364

Aircraft Early Warning Radar Repairman (for Navy Personnel)

Course Number: AB30132-2.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 17 weeks (510 hours).
Exhibit Dates: 3/58–12/68.

Objectives: To train enlisted personnel to maintain and repair various aircraft early warning radar sets at the apprentice level.

Instruction: Lectures and practical exercises in the maintenance and repair of various aircraft early warning radar sets, including specific search radar, airborne height finder, ground position indicator, indicator group, and identification equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0365

Radar Equipment Air Maintenance Upgrading

Course Number: 152003.
Location: Flying Training Air Force, Mather AFB, CA.
Length: 4–5 weeks (118–130 hours).
Exhibit Dates: 5/56–12/68.

Objectives: To qualify experienced navigator-bombardiers of B-36 or B-47 aircraft to analyze K-system malfunctions, and to perform corrective in-flight maintenance or applicable emergency procedures.

Instruction: Lectures and practical exercises on K-system organization and operation, including description of system modules, routine and emergency maintenance procedures, K-system computers, stabilization, interconnect equipment, APS-23 radar, and modified K-system equipment.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (4/74).

AF-1715-0366

Special Training on AN/ASN-6 (Field and Organizational)

Course Number: SS30171-8.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 3 weeks (90 hours).
Exhibit Dates: 4/55–12/68.

Objectives: To train aircraft electronic navigation equipment repairmen and maintenance technicians, air electronics officers, or equivalent civilian personnel to perform organizational and field maintenance on AN/ASN-6 latitude and longitude computer set.

Instruction: Lectures and practical exercises in the organizational and field maintenance of AN/ASN-6 latitude and longitude computer set, including introduction to AN/ASN-6, electromechanical computation, ground speed mode, normal mode, power supplies and timing standard, troubleshooting and alignment, and special training on AN/ASN-6.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0367

Ground Radar Systems Supervisor/Technician

Course Number: 3AAR30300.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 50 weeks (1440 hours).
Exhibit Dates: 11/67–12/73.

Objectives: To train enlisted personnel to perform as ground radar systems supervisors and technicians.

Instruction: Lectures and practical exercises in the basic concepts of electricity, electronics, and management of ground radar systems, including advanced electronic principles; operation of radar transmitters, receivers, synchronizing systems, and display systems; ECCM features; frequency diversity techniques; r-f transmission lines; ground radar planning; and evaluation.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity and electronics, 3 in management, and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0368

Automatic Tracking Radar Repairman

Course Number: 3ABR30333.
Location: 3380th Technical School, Kessler AFB, MS.
Length: 37–39 weeks (1110 hours).
Exhibit Dates: 6/71–12/73.

Objectives: To train enlisted personnel to repair automatic tracking radars.

Instruction: Lectures and practical exercises in the basic concepts and techniques of electricity and electronics with applications to radar systems, including development and application of electronic principles; circuit analysis; digital techniques; alignment; testing; troubleshooting; and the operation, maintenance, and repair of the AN/MSQ-77 radar bomb-directing central, associated identification equipment, solid-state devices, and related test equipment.

Credit Recommendation: In the upper-division baccalaureate category, 5 semester hours in electricity and electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0369

Aircraft Control and Warning (AC & W) Radar Officer

Course Number: OB3041B.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 12 weeks (360 hours).
Exhibit Dates: 5/54–12/68.

Objectives: To train radar officers to operate ground electronics equipment.

Instruction: Lectures and practical exercises in ground electronics equipment operation, including AN radar systems operating characteristics and component parts, and introduction to unit operations administration and organization.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (12/68).

AF-1715-0370

Special Training on AN/APS-42A

Course Number: SS30171-1.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 5 weeks (150 hours).
Exhibit Dates: 2/55–12/68.

Objectives: To train aircraft electronic navigation equipment repairmen and technicians to maintain and operate radar set AN/APS-42A.

Instruction: Lectures and practical exercises on the operation and maintenance of the radar set AN/APS-42A, including operating principles, component functions and adjustment, system timing, transmitter channel, receiver channel, sweep channel, antenna control channel, and preventive maintenance and troubleshooting.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0371

Special Training on AN/APR-9B Equipment (Depot)

Course Number: SS30270-12D.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 3 weeks (90 hours).
Exhibit Dates: 5/55–12/68.

Objectives: To train electronic countermeasures maintenance technicians to operate and repair AN/APR-9B electronic countermeasures equipment.

Instruction: Lectures and practical exercises in AN/APR-9B electronic countermeasures equipment operation and repair, including equipment organization and layout, components circuit analysis, depot overhaul and maintenance procedures, inspection and alignment, and component repair procedures.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0372

Special Training on AN/ALT-8 (Field and Organizational)

Course Number: SS30270-14.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 3 weeks (90 hours).
Exhibit Dates: 4/55–12/68.

Objectives: To train electronic countermeasures repairmen to operate and repair AN/ALT-8 electronic countermeasures equipment.

Instruction: Lectures and practical exercises in AN/ALT-8 electronic countermeasures equipment operation and repair, including power distribution, control circuits description, transmitters and associated circuits, and system maintenance.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0373

F/FB-111 Mission and Traffic Control Test Station Technician

Course Number: 3ALR30170-1; 3ALR30170-2.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 5–6 weeks (150–180 hours).
Exhibit Dates: 5/68–12/73.

Objectives: To train enlisted personnel to perform field- and shop-repairable maintenance on F/FB-111 mission control test stations.

Instruction: Lectures and practical exercises in F/FB-111 weapon system introduction, high-frequency communication system introduction, SSB transmission, AFC and receiver circuits signal flow, mission and traffic control test stations operation, signal flow in transmitter and RF power and coupler group, and HF test set operation.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0374

Weapons Control Systems Technician (MG-13 Radar)

Course Number: AAR32271G-2.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 29 weeks (870 hours).
Exhibit Dates: 8/58–12/68.

Objectives: To train personnel to perform as weapons control systems technicians.

Instruction: Lectures and practical exercises on the performance of mechanical and electrical checks, adjustments, and isolation of malfunctions on a highly specialized weapons control system and its associated test instrumentation, including oscilloscope, meters, and special devices; power meter and signal generators; dummy loads; antenna test set; power generation and distribution; target detection and display; radar ranging function; and missile servos.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0375

1. Weapons Control Systems Mechanic (F-106A/B: MA-1, ASQ-25 Systems)
2. Weapons Control Systems Mechanic (F-106A/B: MA-1, ASQ-25 Systems)
   (Weapons Control Systems Mechanic (MA-1, ASQ-25 Systems))
3. Weapons Control Systems Mechanic (MA-1, ASQ-25 Systems)
4. Weapons Control Systems Mechanic (MA-1, ASQ-25 Systems)
   (Weapons Control Systems Mechanic (MA-1 System))
5. Weapons Control Systems Mechanic (MA-1 Systems)
6. Weapons Control Systems Mechanic (MA-1 Systems)
7. Weapons Control Systems Mechanic (MA-1 System)
8. Weapons Control Systems Mechanic (MA-1 System)

Course Number: *Version 1:* 3ABR32231A. *Version 2:* 3ABR32231A-5. *Version 3:* ABR32231A-5. *Version 4:* ABR32231A-5. *Version 5:* ABR32231A. *Version 6:* ABR32231A. *Version 7:* ABR32231A. *Version 8:* AB32231A.

Location: *Version 1:* School of Applied Aerospace Sciences, Lowry AFB, CO; 3415th Technical School, Lowry AFB, CO. *Version 2:* 3415th Technical School, Lowry AFB, CO. *Version 3:* 3415th Technical School, Lowry AFB, CO. *Version 4:* 3415th Technical School, Lowry AFB, CO. *Version 5:* 3415th Technical School, Lowry AFB, CO. *Version 6:* Technical Training Center, Amarillo AFB, TX. *Version 7:* 3415th Technical School, Lowry AFB, CO. *Version 8:* 3415th Technical Training Wing, Lowry AFB, CO.

Length: *Version 1:* 22-24 weeks (660-720 hours). *Version 2:* 24-34 weeks (738-930 hours). *Version 3:* 37-39 weeks (1020-1080 hours). *Version 4:* 41 weeks (1140 hours). *Version 5:* 45 weeks (1480 hours). *Version 6:* 45 weeks (1480 hours). *Version 7:* 30 weeks (810 hours). *Version 8:* 30 weeks (810 hours).

Exhibit Dates: *Version 1:* 7/71-12/73. *Version 2:* 1/65-6/71. *Version 3:* 4/63-12/64. *Version 4:* 2/61-3/63. *Version 5:* 3/60-1/61. *Version 6:* 3/60-1/61. *Version 7:* 5/59-2/60. *Version 8:* 4/58-4/59.

Objectives: To train enlisted personnel who have backgrounds in electricity and vaccum tube electronics to maintain and repair specific weapons control systems.

Instruction: *All Versions:* Lectures and practical exercises in electronics as applied to weapons systems; communications security; saftey and first aid; technical publications; schematic interpretation and symbology; power checks and alignments; arithmetic; decimal and binary numbers; computer routines, checks, and alignments; and fault isolation procedures and ground checks. *Version 5:* Instruction includes detailed study of MA-1 weapons control system, computer fundamentals and arithmetic, radar transmitting and receiving, MA-1 measurements, and troubleshooting. *Version 6:* Instruction includes detailed study of MA-1 weapons control system, computer fundamentals and arithmetic, radar transmitting and receiving, MA-1 measurements, and troubleshooting. *Version 7:* Instruction includes algebra, vectors, trigonometry, AC and DC circuits, vacuum tube circuit application, transients and timing circuits, microwaves, servomechanisms, and computer devices. *Version 8:* Instruction includes basic radar principles.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 3:* In the upper-division baccalaureate category, 4 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 4:* In the upper-division baccalaureate category, 6 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 5:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 6:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 7:* In the upper-division baccalaureate category, 6 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 8:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0376

1. Missile Systems Analyst Specialist
   (Missile Systems Analyst Specialist (LGM-25))
2. Missile Systems Analyst Specialist (LGM-25)
3. Ballistic Missile Analyst Specialist (LGM-25C)

Course Number: *Version 1:* 3ABR31630F. *Version 2:* 3ABR31630F; ABR31630F. *Version 3:* ABR31234F.

Location: *Version 1:* School of Applied Aerospace Sciences, Sheppard AFB, TX. *Version 2:* 3750th Technical School, Sheppard AFB, TX. *Version 3:* 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 26 weeks (780 hours). *Version 2:* 32-33 weeks (900 hours). *Version 3:* 10 weeks (300 hours).

Exhibit Dates: *Version 1:* 9/71-Present. *Version 2:* 5/66-8/71. *Version 3:* 2/64-4/66.

Objectives: To train enlisted personnel to maintain the Titan II weapon system.

Instruction: Lectures and practical exercises in the maintenance of the Titan II weapon system, including operation and data flow analysis, minor troubleshooting, inspection, and monitoring; scheduled and unscheduled maintenance of missile airframe equipment, thrust mount and shock isolation system, electrical system (various circuits, linear wave shaping, and power supplies), re-entry vehicle equipment, handling equipment, launch control monitoring and check-out equipment, cable assembly groups, facility power control boards, communications equipment, flight control system, propulsion system, and propellant loading and pressurization system.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 3:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0377

AUTOMATIC FLIGHT CONTROL SYSTEMS TECHNICIAN

Course Number: 3AAR32570-1.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL.

Length: 12 weeks (360 hours).

Exhibit Dates: 9/72-12/73.

Objectives: To train airmen to maintain automatic flight controls, including the attitude-heading reference system.

Instruction: Lectures and practical exercises in the maintenance of automatic flight controls and the attitude-heading reference system, including mathematics, AC and DC circuits, synchros and magnetic amplifiers, solid-state devices, wave shapers, oscillators, digital techniques, test equipment, various augmentation operations, autopilot system data flow, and self-test circuitry.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0378

1. Automatic Flight Control Systems Technician (Fighters and B-58)
2. Automatic Flight Control Systems Technician (Fighters and B-58)
   (Automatic Flight Control Systems Technician)

Course Number: *Version 1:* 3AAR32570-A. *Version 2:* AAR32570-A-1. *All Versions:* 2AAR32570A.

Location: *Version 1:* 3345th Technical School, Chanute AFB, IL. *Version 2:* 3320th Technical School, Chanute AFB, IL.

Length: *Version 1:* 14 weeks (420 hours). *Version 2:* 14-15 weeks (410-450 hours).

Exhibit Dates: *Version 1:* 3/68-12/73. *Version 2:* 5/64-2/68.

Objectives: To train enlisted personnel to perform as automatic flight control systems technicians.

Instruction: Lectures and practical exercises in automatic flight control systems operation, including servos, electronic test equipment operation, vacuum tubes, transistors, power supplies, oscillators, wave-shaping devices, and electrical and pneudraulic power supplies.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the upper-division baccalaureate category, 2 semester hours in electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0379

Guidance System Analyst (GAM-63 Missile D/A)

Course Number: AB31430C-1.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 24 weeks (630 hours).
Exhibit Dates: 5/57-12/68.
Objectives: To train basic airmen to perform as guidance system analysts on the GAM-63 missile director aircraft.
Instruction: Lectures and practical exercises in the analysis of guidance systems of the GAM-63 missile director aircraft, including electronic fundamentals, AC and DC circuit analysis, vacuum tubes, radio receiver, receiver transmitter and modulator units systems check, terminal guidance control system, synchronizer, range computer, elevation computer and selector control, azimuth and elevation indicator, and the automatic check system.
Credit Recommendation: In the upper-division baccalaureate category, credit in electricity and electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0380

Missile Electrical Repairman/Technician, SM68

Course Number: ATS42350-58.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 14 weeks (420 hours).
Exhibit Dates: 6/61-12/68.
Objectives: To train airmen to repair missile electrical systems and associated check-out and test equipment.
Instruction: Lectures and practical exercises in the operation and repair of missile electrical systems and associated check-out and test equipment, including circuit analysis of the missileborne electrical system power distribution and transfer, the hydraulic power supply and transfer, and the sequencing system; analysis of multistage engine systems and engine control systems; supply system ground operational equipment analysis, and calibration, alignment and troubleshooting procedures.
Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0381

Guidance System Analyst, SM-62

Course Number: ATS31450B-1.
Location: Technical Training Center, Amarillo AFB, TX.
Length: 19 weeks (570 hours).
Exhibit Dates: 1/59-12/68.
Objectives: To train airmen to operate and maintain the Mark I guidance system.
Instruction: Lectures and practical exercises in the maintenance and operation of the Mark I guidance system, including missile familiarization, electrical systems; flight control, hydraulic, nose separation, booster, fuel, and guidance system analysis; power supplies, platform control, trajectory and environmental control subsystems, calibration, rate computer, signal detector, tracking ability, analyzer modifications, and check-out procedures.
Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0382

Airborne ECM Operator
(Airborne Electronic Countermeasures Specialist)

Course Number: ZZ29334; ZZ30134.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 16 weeks (497-499 hours).
Exhibit Dates: 6/54-12/68.
Objectives: To train airmen to adjust and operate electronic countermeasures equipment.
Instruction: Lectures and practical exercises in the adjustment and operation of electronic countermeasures equipment, including AC and DC fundamentals, vacuum tubes, receiver and transmitter fundamentals, operation of specific search and analysis equipment, principles of radar, mission planning and navigation, in-flight maintenance, electronic reconnaissance and jamming missions and tactics.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical laboratory (4/74).

AF-1715-0383

1. 484L System Organization/Intermediate (O/I) Maintenance
2. 484L System Field/Organizational (F/O) Maintenance

Course Number: *Version 1:* 3AZR30450-2. *Version 2:* 2ASR30470-1.
Location: 3380th Technical School, Keesler AFB, MS.
Length: *Version 1:* 7 weeks (210 hours). *Version 2:* 9 weeks (270 hours).
Exhibit Dates: *Version 1:* 4/71-12/73. *Version 2:* 7/68-3/71.
Objectives: To train maintenance personnel who have had previous training in solid-state and logic circuits to maintain 484L subscriber and relay equipment.
Instruction: Lectures and practical exercises in 484L systems; block-diagram analysis of air transportable and ground-fixed subscriber and relay equipment; principles of operation, performance testing, and alignment of ground-fixed relay components and modem tone monitor; analysis and location of malfunctions; and use of associated test equipment. The topics in this course are specific in nature; little general information is presented.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0384

Missile Systems Analyst Technician (TEAT) WS-133A-M

Course Number: *All Versions:* 3AZR31670G-4. *Version 3:* AZR31670G-4.
Location: *Version 1:* School of Applied Aerospace Sciences, Chanute AFB, IL. *Version 2:* School of Applied Aerospace Sciences, Chanute AFB, IL. *Version 3:* 3345th Technical School, Chanute AFB, IL.
Length: *Version 1:* 13 weeks (512 hours). *Version 2:* 13 weeks (384 hours). *Version 3:* 10-12 weeks (312-348 hours).
Exhibit Dates: *Version 1:* 8/73-12/73. *Version 2:* 1/73-7/73. *Version 3:* 6/67-12/72.
Objectives: To train enlisted personnel to operate and maintain WS-133A weapon system electronic components.
Instruction: Lectures and practical exercises in logic-level signal flow and integrated system data flow, including detailed system analysis of weapons systems.
Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0385

Digital Voltmeter, Theory and Calibration

Course Number: 3AZR32470-9.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 3 weeks (78 hours).
Exhibit Dates: 4/72-12/73.
Objectives: To train enlisted personnel to troubleshoot and calibrate specific volt-ratio meters and digital voltmeters.
Instruction: Lectures and practical exercises in the troubleshooting of the CIMRON 9500B volt-ratio meter and the nonlinear systems series X-2 digital voltmeter, including solid-state fundamentals; principles of logic circuit analysis, amplifiers, multivibrators, and special-purpose circuits; and theory and calibration of the specific voltmeter equipment.
Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0386

Electronic Computer Systems Repairman (Data Processing Equipment/412L)

Course Number: 3AZR30554.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 19 weeks (558 hours).
Exhibit Dates: 2/71-12/73.
Objectives: To train enlisted personnel to maintain the AN/FSA-12 detector tracker group and the OA-1724 data link group at the intermediate and organizational level.
Instruction: Lectures and practical exercises in the maintenance of the AN/FSA-12 detector tracker group and the OA-1724 data link group, including air weapons control system familiarization, operation of specialized test equipment, and logic analysis and maintenance of the radar detector, automatic input processor, crosstell input processor, console input processor, digital tracker, data link central, message processor, battery data link and coordinate converter.
Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0387

486L Wideband Communications Organizational/Intermediate (O/I) Maintenance

Course Number: 3AZR30450-5.
Location: School of Applied Aerospace Sciences, Keesler AFB, MS.
Length: 8 weeks (240 hours).
Exhibit Dates: 8/72-12/73.
Objectives: To train military and civilian personnel who are trained in basic maintenance of voice multiplex equipment and microwave and tropospheric scatter radio sets to perform intermediate-level maintenance.
Instruction: Lectures and practical exercises in the organizational and intermediate-level maintenance of voice mutiplex equipment, and microwave and tropospheric scatter radio sets, including application,

characteristics, block-diagram analysis, isolation of equipment malfunctions, repair, testing, alignment, and use of standard and special test equipment.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0388

HIGH VALUE SOLDERING AND MICROELECTRONIC REPAIR TECHNIQUES

Course Number: 5AQK30000.

Location: Security Service School, Goodfellow AFB, TX.

Length: 2 weeks (60 hours).

Exhibit Dates: 7/71-12/73.

Objectives: To provide security service maintenance technicians with training in high-value soldering and microelectronic repair techniques.

Instruction: Lectures and practical exercises in familiarization with soldering repair tools, PC board soldering, bonding methods for microcircuits, welding, thermocompression, conformal coatings, clean room techniques, and soldering and repair techniques.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0389

WEAPONS CONTROL SYSTEMS MECHANIC (AMCS-AERO-1A)

(Offensive Fire Control Systems Mechanic (AMCS-AERO-1A))

Course Number: ALR32231-P; ALR32230-P.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 15-16 weeks (450-480 hours).

Exhibit Dates: 5/63-12/68.

Objectives: To train airmen to trace data flow, analyze and trace circuit networks, and troubleshoot, repair, and maintain weapon control systems.

Instruction: Lectures and laboratories in review of fundamentals of electronics; operation, troubleshooting, repair, calibration, and alignment of weapon control systems; and use of associated test equipment, primarily in the radar sections.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0391

STRAWHAT TERMINAL MAINTENANCE

Course Number: 3AZR30650F-2.

Location: *Version 1:* School of Applied Aerospace Sciences, Keesler AFB, MS. *Version 2:* 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 11 weeks (312 hours). *Version 2:* 13 weeks (390 hours).

Exhibit Dates: *Version 1:* 7/72-12/73. *Version 2:* 10/71-6/72.

Objectives: To train electronics repairmen to maintain STRAWHAT terminal equipment.

Instruction: Lectures and practical exercises in terminal description and maintenance, digital computers, logic analysis, error control devices, modems, transmitters, receivers, and frequency dividers.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0392

HM4118 ELECTRONIC COMPUTER REPAIRMAN/OPERATOR/407L

Course Number: 3AZR30554-10.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS.

Length: 16 weeks (480 hours).

Exhibit Dates: 1/73-12/73.

Objectives: To train enlisted personnel to operate, troubleshoot, and repair electronic computers in the TACS (407L) systems.

Instruction: Lectures and practical exercises in digital computer-related equipment, including logic operations and circuits, maintenance procedures, memory storage, registers, input-output buffers, block-diagram analysis, printers, key punches, tape punches, magnetic tape readers, and test procedures.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in digital computer hardware on the basis of institutional evaluation (4/74).

AF-1715-0393

TELETYPE ADAPTER MODULE/COMMON CONTROL UNIT MAINTENANCE

Course Number: 3AZR30650F.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 7 weeks (210 hours).

Exhibit Dates: 7/72-12/73.

Objectives: To train electronics technicians to maintain and repair at the intermediate level the DCS digital communications network teletype adapter module/common control unit.

Instruction: Lectures and practical exercises in the maintenance and repair of DCS digital communications network teletype adapter module/common control unit, including basic digital logic principles; operating principles and block- and logic-diagram analyses of specific equipment; test equipment; maintenance of the input, transmit, receive and output sections; power supply; and trouble analysis.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0394

HIGH SPEED PAPER TAPE READER AND PUNCH/DSSCS

Course Number: 3AZR30554-5; 3AZR30551-8.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 3 weeks (90 hours).

Exhibit Dates: 9/70-12/73.

Objectives: To train maintenance personnel who have training in solid-state devices and digital techniques to perform as STRAWHAT maintenance technicians.

Instruction: Lectures and practical exercises in STRAWHAT maintenance, including components and circuit analysis of high-speed paper tape readers and punches, power generation, mechanical and electrical adjustments, and troubleshooting for specific equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0395

SIMPLEX REMOTE COMMUNICATIONS CENTRAL/SUBSCRIBER C EQUIPMENT REPAIRMAN (SACCS)

(SRCC/SUB C Equipment Repairman (SACCS))

Course Number: 3AZR30534B; 3AZR30531B.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 4 weeks (120 hours).

Exhibit Dates: 7/70-12/73.

Objectives: To train electronics technicians to repair and maintain the simplex remote communications center and subscriber-C equipment.

Instruction: Lectures and practical exercises in the repair and maintenance of the simplex remote communications center and subscriber-C equipment, including block-diagram and circuit analysis of specific analog and digital electronics equipment, electromechanical analysis and maintenance of associated missile integration printer equipment and power supplies, and troubleshooting procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0396

ELECTRONIC SWITCHING SYSTEMS REPAIRMAN (490L OVERSEAS AUTOVON)

Course Number: 3ALR36252.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 24-25 weeks (720-750 hours). *Version 2:* 21 weeks (660 hours).

Exhibit Dates: *Version 1:* 6/70-12/73. *Version 2:* 4/68-5/70.

Objectives: To train airmen to perform as automatic teletype and electronic switching system technicians.

Instruction: *All Versions:* Lectures and practical exercises in automatic teletype and electronic switching systems, including operation, maintenance, installation, and repair principles and procedures, solid-state devices, analysis of dial service assistance, switch marker circuitry and the common control system, test equipment, auxiliary circuits, and overall system trouble analysis. *Version 1:* Includes network control functions and specific card-punching equipment.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0397

1. AIR TRAFFIC CONTROL RADAR TECHNICIAN
2. AIR TRAFFIC CONTROL RADAR TECHNICIAN
   (Air Traffic Control Radar Maintenance Technician)
3. AIR TRAFFIC CONTROL RADAR MAINTENANCE TECHNICIAN

Course Number: *Version 1:* AAR30371. *Version 2:* AAR30371. *Version 3:* AA30371.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 39 weeks (1170 hours). *Version 2:* 33-34 weeks (990-1020 hours). *Version 3:* 23 weeks (690 hours).

Exhibit Dates: *Version 1:* 1/64-12/68. *Version 2:* 9/59-12/63. *Version 3:* 3/54-8/59.

Objectives: To train airmen to maintain and repair air traffic control radar and associated equipment at the advanced level.

Instruction: *All Versions:* Lectures and practical exercises in the maintenance and repair of air traffic control radar and associated equipment, including radar, test and communications equipment inspection and operation, various indicators, and remoting system analysis. *Version 1:* Includes applied mathematics, DC and AC circuits, electronics principles, power supplies, electronic digital data processing, maintenance management, and measuring equipment. *Version 2:* Includes DC and AC circuits, electronics principles, power supplies, and advanced circuitry.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 5 semester hours in electricity or electronics and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in electricity or electronics and credit in electrical laboratory on the basis of institutional evaluation (4/[illegible]). *Version 3:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0398

Special Training on AN/FPN-13

Course Number: SS30371-2.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 3 weeks (90 hours).

Exhibit Dates: 12/54–12/68.

Objectives: To train air traffic control radar repairmen to operate the AN/FPN-13 radar beacon.

Instruction: Lectures and practical exercises in AN/FPN-13 radar beacon operation, including power distribution, crystal control circuits, receiver system, coder, oscillator, transmitting system, aural monitor, remote control unit, and analysis and maintenance procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0399

Special Training on AN/FPS-8

Course Number: SS30372-6.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 6 weeks (180 hours).

Exhibit Dates: 11/54–12/68.

Objectives: To train senior radar repairmen to maintain the AN/FPS-8 radar set.

Instruction: Lectures and practical exercises in AN/FPS-8 radar sets maintenance, including power distribution, transmitting and r-f systems, normal receiving system, MTI receiving system, indicating system, antenna and sweep position system, and organizational maintenance procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0400

AN/ALQ-71/ALQ-87/QRC-335, Field/Organizational (F/O) Maintenance

Course Number: 2ASR30153-37.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 7 weeks (198 hours).

Exhibit Dates: 6/68–12/73.

Objectives: To train enlisted personnel to maintain AN/ALQ-71/ALQ-87/QRC-335 radar equipment.

Instruction: Lectures and practical exercises in radar equipment maintenance, including a descriptive review of electrical and electronic fundamentals, and detailed instruction in maintenance procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0401

Electronic Fuel Control Repair Technician

Course Number: AA42372.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 14 weeks (420 hours).

Exhibit Dates: 5/56–12/68.

Objectives: To train enlisted personnel to repair electronic fuel controls.

Instruction: Lectures and practical exercises in basic electrical laws, measurements, and elementary vacuum electronic devices; administration and management; IEC system operation, test equipment, and component repair; and engine operation and malfunction analysis.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0402

Special Training, AN/FPS-6 (Air Force)

Course Number: SS30352-5.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 4 weeks (120 hours).

Exhibit Dates: 9/59–12/68.

Objectives: To train aircraft control and warning radar repairmen and maintenance technicians, ground radar superintendents, and ground electronics officers to maintain the AN/FPS-6 radar set.

Instruction: Lectures and practical exercises in the maintenance of the AN/FPS-6 radar set, including operation and maintenance of the power distribution, modulator, transmitter-receiver, local-remote, indicator, time sharing, and antenna control groups of specific equipment.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0403

Special Training on SHORAN Equipment AN/APN-84, with K-4, AN/APN-3, with K-1A and AN/APA-54(A)

(Special Training on SHORAN Equipment AN/APN-84 and Electronic Bombing Computer K-4)

Course Number: SS30171-6.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 6–7 weeks (180–210 hours).

Exhibit Dates: 4/54–12/68.

Objectives: To train qualified aircraft electronics maintenance and repair technicians to test and maintain SHORAN aircraft electronic navigation equipment.

Instruction: Lectures and practical exercises in SHORAN system introduction, hardware inspections and troubleshooting, block-diagram analysis, system components analysis, electronic bombing computer inspection and troubleshooting, and performance checks.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0404

Special Training, AN/CPS-6B and Mark X IFF

Course Number: SS30352-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 12 weeks (360 hours).

Exhibit Dates: 8/54–12/68.

Objectives: To train aircraft control and warning radar repairmen and maintenance technicians, ground radar superintendents, and ground electronics officers to maintain the AN/CPS-6B early warning modification and Mk X IFF.

Instruction: Lectures and practical exercises in the maintenance of the AN/CPS-6B early warning modification and Mk X IFF, including block-diagram and circuit analysis of the transmitting, normal receiving, indicating, moving target indicating systems, antenna control and radome pressuring systems, telephone and video mapping systems, power supplies and distribution, and maintenance room assemblies and procedures for specific equipment.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0405

Automatic Tracking Radar Specialist (AN/MSQ-39)

Course Number: AZR30353A.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 17 weeks (510 hours).

Exhibit Dates: 10/61–12/68.

Objectives: To train automatic tracking radar specialists and technicians to operate, maintain, and repair the AN/MSQ-39 automatic tracking radar system.

Instruction: Lectures and practical exercises in the operation, maintenance, and repair of the AN/MSQ-39 automatic tracking radar system, including theory of operation of radar circuits and systems, installation, testing and alignment procedures, power distribution circuits, basic servo systems, transmitting and receiving groups, tracking indicators and range computers, periscope equipment, modulators, target parallax system, altitude indicator, solid-state devices, coder control and video decoder, and troubleshooting procedures.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0406

Automatic Tracking Radar Specialist (Rate and Track Subsystems) (SM-65)

Course Number: ABR3033C.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 45 weeks (1260 hours).

Exhibit Dates: 8/61–12/68.

Objectives: To train enlisted personnel to operate, maintain, and repair the SM-65 (Atlas) automatic tracking radar set.

Instruction: Lectures and practical exercises in the operation, maintenance, and repair of the SM-65 (Atlas) automatic tracking radar set, including fundamentals of electronics (AC and DC circuits, transistors, vacuum and special tubes, electronic circuits, motors and servomechanisms, special circuits, and microwave principles); theory of operation of guidance, transmitter, receiver, antenna, Doppler simulator and console subsystem; and testing procedures for specialized equipment. Very little mathematics involved.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in electricity and electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0407

Special Training on Radar Set
AN/TPS-1D

Course Number: 52-30273A-S1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 5 weeks (150 hours).

Exhibit Dates: 8/52-12/68.

Objectives: To train radar mechanics and technicians to maintain AN/TPS-1D radar sets.

Instruction: Lectures and practical exercises in the maintenance of the AN/TPS-1D radar set, including familiarization with major system components, transmitter and receiver, target indicator system, power supply and distribution system, antenna control and sweep systems, and adjustment and alignment of specific equipment.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0408

AN/ART-47 and AN/ARR-71,
Field/Organizational (F & O)
Maintenance

Course Number: 2ASR30170A-206.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 4 weeks (120 hours).

Exhibit Dates: 1/67-12/73.

Objectives: To train enlisted personnel who have had prior training in electronics and instrumentation to operate, inspect, and maintain the AN/ART-47 and AN/ARR-71 radio sets.

Instruction: Lectures and practical exercises in the operation, inspection, and maintenance of the AN/ART-47 and AN/ARR-71 radio sets, including system analysis of specialized radio and ancillary equipment, special applications of AN/FM modulation, circuit and block-diagram analysis of equipment and test sets, and troubleshooting and alignment procedures.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0409

AN/APX-72 Transponder,
Field/Organizational (F/O)
Maintenance

Course Number: 2ASR30171-212.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 3 weeks (90 hours).

Exhibit Dates: 12/67-12/73.

Objectives: To train airmen who have had prior training in electronics, instrumentation, and digital logic to maintain specialized electronic transponder equipment.

Instruction: Lectures and practical exercises in the maintenance of specialized electronic transponder equipment, including review of IFF principles, introduction and application of logic symbols and diagrams, analysis of AN/APX-72 transponder equipment, operation of AGE, and alignment, adjustment and troubleshooting techniques.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0410

K-5 Bomb-Navigation System (B-66)

Course Number: 3AZR32170.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 12 weeks (360 hours).

Exhibit Dates: 4/68-12/73.

Objectives: To train enlisted personnel to maintain and troubleshoot the K-5 bomb navigational system.

Instruction: Lectures and practical exercises in the maintenance and troubleshooting of the K-5 bomb navigation system, including radar transmitting and receiving, and stabilization and synchronizing chains operation and components; computer tracking and sighting; computer bombing and navigation chains operation and components; and alignment and adjustment techniques.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0411

All-Relay Central Office Equipment
Specialist

Course Number: AZR36251.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 8 weeks (240 hours).

Exhibit Dates: 9/65-12/68.

Objectives: To train installation maintenance personnel to operate, test, and maintain all-relay central office telephone equipment.

Instruction: Lectures and practical exercises in the operation, testing, and maintenance of all-relay central office telephone equipment, including functional analysis of circuits and subsystems, relays and relay codes, wiring diagrams and auxiliary circuits, and inspection and troubleshooting procedures.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0412

Weather Equipment Repairman
(Ground Weather Equipment Operator)
(Basic Weather Service (Equipment Channel))

Course Number: *Version 1:* 3ABR30230. *Version 2:* 3ABR30230; ABR30230. *Version 3:* ABR30230; AB25130. *Version 4:* AB25130.

Location: 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 30 weeks (900 hours). *Version 2:* 32 weeks (870 hours). *Version 3:* 31-33 weeks (900 hours). *Version 4:* 19 weeks (540 hours).

Exhibit Dates: *Version 1:* 7/72-12/73. *Version 2:* 5/64-6/72. *Version 3:* 10/55-4/64. *Version 4:* 1/54-9/55.

Objectives: To train enlisted personnel to inspect, maintain, and repair weather equipment.

Instruction: *Version 1:* Lectures and practical exercises in electronic principles (AC and DC circuits, electron tube and transistor principles, power supplies, wave-shaping circuits, amplifier basic concepts, and oscillators), radar transmitters and receivers, and troubleshooting, maintenance, and repair of specific weather equipment. Instruction includes extensive use of training and testing equipment. *Version 2:* Lectures and practical exercises in electronic principles (AC and DC circuits, electron tube and transistor principles, power supplies, wave-shaping circuits, amplifier basic concepts, and oscillators), radar transmitters and receivers, and troubleshooting, maintenance, and repair of specific weather equipment. Instruction includes basic computer systems and binary numbering systems, symbolic logic, formulation of Boolean equations; and logic generators; and runway visual range computing set troubleshooting and repair. *Version 3:* Lectures and practical exercises in electronic principles (AC and DC circuits, electron tube and transistor principles, power supplies, wave-shaping circuits, amplifier basic concepts and oscillators), radar transmitters and receivers, and troubleshooting, maintenance and repair of specific weather equipment. *Version 4:* Lectures and exercises in elementary meteorology, weather equipment, Rawinsonde evaluation, and equipment laboratory.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 3:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 4:* In the upper-division baccalaureate category, 3 semester hours in meteorology (12/68).

AF-1715-0413

Special Training, AN/GKA-1 and 4
(Field and Organizational) (F & O)

Course Number: SS30472-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 6 weeks (180 hours).

Exhibit Dates: 3/58-12/68.

Objectives: To train airmen to operate, tune, align, inspect, and maintain AN/GKA-1 and -4 flight control groups and associated test equipment.

Instruction: Lectures and practical exercises in the operation, alignment, and maintenance of AN/GKA-1 and -4 flight control groups and associated test equipment, including advanced electronic fundamentals (Ohm's law, RC time constants, voltage regulators, clippers, blocking oscillators, feedback amplifiers), binary number system, multivibrator and Schmitt trigger circuits, use of associated test sets, digital and analog techniques, and circuit analysis and adjustments of specific systems equipment.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0414

Special Training AN/APS-23A

Course Number: SS32171F-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 5 weeks (150 hours).

Exhibit Dates: 3/58-12/68.

Objectives: To train enlisted personnel to maintain the AN/APS-23A radar unit.

Instruction: Lectures and practical exercises in use of synchroscope, multimeter, VTVM, and tube testers; visual checks of equipment and component alignment; trouble isolation and fuse, tube, and other malfunctioning components replacement; location and replacement of faulty subassemblies; and system block-diagram and circuit analysis.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0415

Special Training on Antenna OA-492/APS-20B (Depot)

Course Number: SS30172.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 3 weeks (90 hours).

Exhibit Dates: 4/56-12/68.

Objectives: To train aircraft early warning radar maintenance technicians to maintain a radar antenna group.

Instruction: Lectures in antenna equipment principles, functions, operational characteristics, circuit theory, operation, tuning, inspection, troubleshooting, repair, and final alignments; and use of oscilloscope, multimeters, and tube tester.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0416

Special Training, AN/FST-2B and RAPPI (Field and Organizational) (F & O)

(Special Training, AN/FST-2 and RAPPI)

(Special Training, AN/FST-2 (Field and Organizational) (F & O))

Course Number: ATS30571D-8; ATS30571-3; ATS30372-11; SS30372-11.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 16-18 weeks (480-540 hours).

Exhibit Dates: 3/58-12/68.

Objectives: To train enlisted personnel to operate, inspect, and maintain the coordinate data transmitter and coordinate data monitor.

Instruction: Lectures and practical exercises in multivibrator and solid-state principles, logic circuits, binary number system, Boolean algebra, memory devices and circuits, use of oscilloscope and special test equipment, logical signal analysis and troubleshooting.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0417

Weather Equipment Technician

Course Number: *Version 1:* 3AAR30270. *Version 2:* 3AAR30270. *Version 3:* AAR30270; AA25170.

Location: 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 40 weeks (1200 hours). *Version 2:* 36 weeks (1080 hours). *Version 3:* 43-44 weeks (1290-1320 hours).

Exhibit Dates: *Version 1:* 7/72-12/73. *Version 2:* 8/68-6/72. *Version 3:* 4/55-7/68.

Objectives: To train weather equipment personnel and airmen to perform as meteorological equipment technicians/supervisors.

Instruction: *All Versions:* Lectures and practical exercises in the maintenance of meteorological equipment and the supervision of meteorological equipment operation and maintenance, including analysis of various circuits, principles of transformer action, time constants, resonance, vacuum tubes, amplifiers, oscillators, power supplies, transmitter and receiver circuits, nonelectric meteorological equipment functions, and fundamentals of radar. *Version 1:* Includes solid-state amplifiers, basic concepts of binary systems, logic functions and circuits, adder circuits, counters and storage devices, and troubleshooting of a digital runway visual range computing set. Emphasis on troubleshooting and repair. *Version 2:* Includes solid-state amplifiers, basic concepts of binary systems, logic functions and circuits, adder circuits, counters and storage devices, bridge circuits, AC and DC motors and generators, servos, mesh equations, FM circuits, and troubleshooting of a digital runway visual range computing set. Theoretical orientation. *Version 3:* Includes mathematics up to basic concepts of calculus.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the upper-division baccalaureate category, 4 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0418

Special Training on AN/ALT-6 Equipment (F & O) (Field and Organizational)

(Special Training on AN/ALT-6 Equipment (Depot))

Course Number: SS30270-3; SS30270-3D.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 3-4 weeks (90-120 hours).

Exhibit Dates: 10/54-12/68.

Objectives: To train senior electronic countermeasures repairmen, air electronics officers, electronic countermeasures maintenance technicians, or civilians with equivalent job classification to perform organizational and field maintenance on AN/ALT-6.

Instruction: Lectures, practical exercises, and special training in AN/ALT-6 maintenance (F & O), including introduction to the AN/ALT-6, and power distribution, control circuits, transmitters, and associated circuits.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0419

Special Training, AN/GPA-37 (Field and Organizational) (F & O)

Course Number: SS30372-10.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 15 weeks (450 hours).

Exhibit Dates: 3/58-12/68.

Objectives: To train airmen to operate, align, inspect, and maintain the AN/GPA-37 radar course directing group and associated test equipment.

Instruction: Lectures and practical exercises in the operation, alignment, inspection, and maintenance of the AN/GPA-37 radar course directing group and associated test equipment, including theory and operation of Miller sweep circuits and Schmitt trigger circuits, vector algebra, binary arithmetic, logic and/or inhibit circuits, and converter-storer writing and reading circuits, and use of electronic test equipment.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0420

Special Course on Radar Set AN/ALT-7 and Pulse Generator O-207/ALA-7 (Depot)

Course Number: SS30270-5D.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 3 weeks (90 hours).

Exhibit Dates: 7/55-12/68.

Objectives: To train electronic countermeasures maintenance technicians to maintain the AN/ALT-7 radar set and the O-207/ALA-7 pulse generator.

Instruction: Lectures and practical exercises in the maintenance of the AN/ALT-7 radar set and the O-207/ALA-7 pulse generator, including operation and block-diagram analysis of radar set power distribution and control circuits, transmitter, antenna circuit, and power supply; block-diagram analysis of pulse generator; and disassembly, troubleshooting and overhaul of the radar and pulse generator units.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0421

Special Training on Airborne Radar Beacon AN/APN-69 (Field and Organizational)

(Special Training on Airborne Radar Beacon AN/APN-69 (Depot))

Course Number: SS30171-12.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 3-4 weeks (90-120 hours).

Exhibit Dates: 5/55-12/68.

Objectives: To train aircraft electronics superintendents, officers, and navigation equipment maintenance technicians to maintain the AN/APN-69 radar set.

Instruction: Lectures and practical exercises in the maintenance of the AN/APN-69 radar set, including introduction to airborne radar beacons; block-diagram analysis of radar subassemblies; an analysis of power control, power supply, trigger control and AFC aid, coder, and transmitter; microwave circuits; and duplexer, receiver, and pulse discriminator.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0422

Air Traffic Control Radar Repairman AN/CPN-4

Course Number: AB30331B.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 23-38 weeks (1020-1050 hours). *Version 2:* 16 weeks (480 hours).

Exhibit Dates: *Version 1:* 10/54-12/68. *Version 2:* 7/54-9/54.

Objectives: To train enlisted personnel to operate, tune, and align AN/CPN-4 radar equipment.

Instruction: *All Versions:* Lectures and practical experience in AN/CPN-4 radar equipment operation, tuning, and alignment, including search indicating system, precision indicating system, and power and operations trailer. *Version 1:* Instruction includes AC and DC circuits, circuit testing, RLC circuits, transients, vacuum tube electronics, DC instruments, and servo principles. *Ver-*

sion 2: Instruction includes visual check of equipment, inspection for defects, malfunction isolation, and equipment calibration.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 4 semester hours in electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74). *All Versions:* Credit is not recommended because of the limited specialized nature of the course (4/74).

AF-1715-0423

Special Training, AN/MSQ-1A (Field and Organizational) (F & O)

Course Number: ATS30373-4.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 17 weeks (510 hours).

Exhibit Dates: 9/58–12/68.

Objectives: To train enlisted personnel having some technical experience to test, align, troubleshoot, and repair the AN/MSQ-1A radar system.

Instruction: Lectures and practical exercises in AN/MSQ-1A radar system testing, alignment, troubleshooting, and repair, including circuit analysis, gear train repair, fault localizing by using visual observation and performance checks, block-diagram tracing, and electrical system alignment.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0424

Special Training on AN/APN-59

Course Number: SS30171-11.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 5 weeks (150 hours).

Exhibit Dates: 9/55–12/68.

Objectives: To train technicians and repairmen to troubleshoot and maintain the AN/APN-59 radar system.

Instruction: Lectures and practical exercises in AN/APN-59 radar system maintenance and troubleshooting, including radar system parts indentification, block-diagram analysis, electrical circuit tracing, malfunction analysis, wave shape analysis, receiver and transmitter channels analysis and testing, and radar system maintenance.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0425

Special Training, AN/APX-28

Course Number: SS30170-15.

Location: 3310th Technical School, Scott AFB, IL.

Length: 3 weeks (90 hours).

Exhibit Dates: 1/56–12/68.

Objectives: To train enlisted personnel to inspect, maintain, and repair the AN/APX-28 interrogator set.

Instruction: Lectures in AN/APX-28 interrogator set inspection, maintenance, and repair, including system block-diagram evaluation; use of multimeters, oscilloscopes, signal generators, and radar test set; receiver checking and adjustment; and tracing signal flow through system to antenna.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0426

Special Training on Loran Receiver AN/APN-70

Course Number: SS30171-5.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 3 weeks (90 hours).

Exhibit Dates: 3/54–12/68.

Objectives: To train air electronics superintendents, officers, and navigation equipment repairmen to maintain the AN/APN-70 Loran radar receiver.

Instruction: Lectures and practical exercises in the maintenance of the AN/APN-70 Loran radar receiver, including block-diagram interpretation; analysis of power supply, receiver, timing, delay and deflection, and auxiliary circuits; and troubleshooting and alignment techniques.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0427

Aircraft Early Warning Radar Repairman

Course Number: *Version 1:* 3ABR30132. *Version 2:* ABR30132. *Version 3:* ABR30132. *Version 4:* ABR30132; ABR30132-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 41 weeks (1140 hours). *Version 2:* 44–45 weeks (1230–1260 hours). *Version 3:* 42 weeks (1170 hours). *Version 4:* 38 weeks (1050 hours).

Exhibit Dates: *Version 1:* 3/68–12/73. *Version 2:* 2/62–2/68. *Version 3:* 5/61–1/62. *Version 4:* 3/58–4/61.

Objectives: To train airmen to operate, maintain, and repair aircraft early warning radar systems equipment.

Instruction: *All Versions:* Lectures and practical exercises in the operation, maintenance, and repair of aircraft early warning radar systems equipment, including limited treatment of DC and AC circuit theory, vacuum tubes, testing procedures, amplifiers and oscillators, radar microwave principles and propagation, motors and servomechanisms, and ancillary systems and equipment. *Version 1:* Includes solid-state devices, receiver principles, and a fuller treatment of AC and DC circuit theory. *Version 2:* Includes solid-state devices, transistors, detection and discrimination procedures, and gyro reference system.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 6 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 2:* In the upper-division baccalaureate category, 4 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 3:* In the upper-division baccalaureate category, 4 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 4:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0428

AN/APQ-24A System Mechanic

Course Number: AB32130F.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 30 weeks (900 hours).

Exhibit Dates: 2/55–12/68.

Objectives: To train airmen to operate and maintain the AN/APQ-24A bombing and navigation system.

Instruction: Lectures and practical exercises in the operation and maintenance of the AN/APQ-24A bombing and navigation system, including basic electricity and electronics (tubes, magnetism and AC and DC currents, amplifiers, power supplies, modulation, special circuits, transmission, generation and propagation of microwave energy and synchros, and applications to radar equipment), and analysis of specific equipment and the associated ground position indicator.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in electricity or electronics, and credit in electrical laboratory, all on the basis of institutional evaluation (4/74).

AF-1715-0429

Missile Facilities Specialist, IM-99B

Course Number: ATS54150J-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 8 weeks (240 hours).

Exhibit Dates: 5/62–12/68.

Objectives: To train enlisted personnel to inspect and maintain specialized guided missile handling and servicing equipment.

Instruction: Lectures and practical exercises in specialized guided missile handling and servicing equipment inspection and maintenance, including weapon system familiarization, ground support equipment, technical and maintenance publications, launcher-shelter systems operation and maintenance, mobile test equipment operation and maintenance, and system troubleshooting procedures.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (3/74).

AF-1715-0430

Missile Electrical Specialist (SM-65D)

Course Number: ABR44130B.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 8 weeks (240 hours).

Exhibit Dates: 8/62–12/68.

Objectives: To train enlisted personnel to maintain and repair missile and launch control electrical systems.

Instruction: Lectures and practical exercises in missile safety practices, missile construction and operation, missile and launcher electrical and mechanical check-out procedures, and propulsion system operation and electrical sequencing.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (3/74).

AF-1715-0431

Power Production, Operation and Maintenance (SAGE)

Course Number: ATS54350-5.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 8 weeks (240 hours).

Exhibit Dates: 11/61–12/68.

Objectives: To train airmen to operate and maintain electrical power production facilities at SAGE installations.

Instruction: Lectures and practical exercises in the operation and maintenance of electrical power production facilities at SAGE installations, including operating principles of diesel engines and systems, and diesel system components familiarization; fundamental electric circuit operation and analysis; power-generating, -regulating, -transforming, and -distributing systems; switchgear circuits, meters, circuit breakers, protective devices and graphic panels; power unit operation; and troubleshooting procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0432

Electrical Power Production Technician/Specialist, SM-65F

Course Number: ATS54370-2; ATS56750-11.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 8 weeks (240 hours).

Exhibit Dates: 3/61-12/68.

Objectives: To train airmen to perform as electrical power production technicians and specialists in WS107A-1 (SM-65F) electrical power production facilities.

Instruction: Lectures and practical exercises in the operation and maintenance of diesel engines and systems, including principles of diesel engines, diesel system components familiarization, accessory equipment, switchgear components and weapon system power requirements, analysis of electrical system, electrical test equipment and troubleshooting, and maintenance of alternators, exciters and voltage regulators.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0433

Missile Facilities Specialist (SM-65D & E)

Course Number: ABR54130A.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 12 weeks (360 hours).

Exhibit Dates: 8/62-12/68.

Objectives: To train airmen to perform as apprentice missile facilities specialists.

Instruction: Lectures and practical exercises in the operation, inspection, and maintenance of missile systems and facilities, including weapon system familiarization, propulsion and multipurpose handling equipment, launch site servicing equipment (control units, vacuum pumps, hydraulic pumping unit, compressed air subsystem), specific launchers and assemblies, and erection systems.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (4/74).

AF-1715-0434

Missile Facilities Specialist (SM-65D)

Course Number: ABR54130A-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 10 weeks (300 hours).

Exhibit Dates: 11/61-12/68.

Objectives: To train airmen to perform as apprentice missile facilities specialists.

Instruction: Lectures and practical exercises in the duties of apprentice missile facilities specialists, including operation, maintenance, and testing of guided missile handling equipment and launch area equipment, missile familiarization, inspection systems, special service equipment, and the organization and function of a missile squadron.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (4/74).

AF-1715-0435

Ballistic Missile Launch Equipment Repairman (SM-65E & F)

Course Number: ABR31236D.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 18 weeks (540 hours).

Exhibit Dates: 8/62-12/68.

Objectives: To train airmen to test and repair ballistic missile launch area equipment.

Instruction: Lectures and practical exercises in the testing and repair of ballistic missile launch area equipment, including special test equipment operation, circuit analysis of logic units, responders, consoles, and missile lift system logic units; familiarization with mechanical and hydraulic components; and calibration and troubleshooting procedures.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (4/74).

AF-1715-0436

Missile Facilities Specialist (HGM-25A)

(Missile Facilities Specialist (SM-68A))

Course Number: ABR54130E.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 8 weeks (240 hours).

Exhibit Dates: 7/62-12/68.

Objectives: To train airmen to operate and maintain SM-68 missile facilities systems and associated equipment.

Instruction: Lectures and practical exercises in the operation and maintenance of SM-68 guided missile launcher hudraulic and electrical systems and associated equipment, including weapon system familiarization, launcher hydraulic and electrical systems components, local control system, missile installation and recycling, antenna protecting and elevating set, and missile mating and troubleshooting techniques.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (4/74).

AF-1715-0437

Missile Facilities Specialist (HGM-16F)

(Missile Facilities Specialist (SM [illegible]

Course Number: ABR54130D.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 11 weeks (330 hours).

Exhibit Dates: 10/62-12/68.

Objectives: To train airmen to operate, inspect, and perform minor maintenance on a silo-type guided missile launch installation.

Instruction: Lectures and practical exercises in the operation, inspection, and minor maintenance of a silo-type guided missile launch installation, including weapons system introduction, servicing of the installation's pneumatic and hydraulic systems, fluid storage facilities, propellant transfer system, launcher missile lifting system, crib suspension system, launch control and miscellaneous systems operation.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (4/74).

AF-1715-0438

1. Cryptographic Equipment Repairman, Electromechanical
2. Cryptographic Equipment Repairman, Electromechanical

(Cryptographic Equipment Electromechanical Repairman (other))

Course Number: *All Versions:* AZR36350-9. *Version 2:* ATS36350B-6.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 6 weeks (180 hours). *Version 2:* 8 weeks (240 hours).

Exhibit Dates: *Version 1:* 8/64-12/68. *Version 2:* 3/62-7/64.

Objectives: To train enlisted personnel to repair and maintain the electromechanical systems of specific cryptographic equipment.

Instruction: Lectures and practical exercises in the repair and maintenance of the electromechanical systems of specific cryptographic equipment, including operation of specific teletypewriter, electrical test equipment usage, circuit tracing, component replacement, analysis of various circuits, and troubleshooting procedures.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0439

Cryptographic Equipment Maintenance TSEC/KW-26

Course Number: SS36371-6.

Location: 3700th Technical School, Lackland AFB, TX.

Length: 12 weeks (360 hours).

Exhibit Dates: 2/58-12/68.

Objectives: To train technicians to operate and maintain TSEC/KW-26 cryptographic equipment.

Instruction: Lectures and practical exercises in teletypewriter operation; encoding and decoding devices; use of circuit diagrams, multimeters, and oscilloscopes for circuit faults locations; cryptographic equipment repair through component replacement; administrative techniques; and practical troubleshooting and maintenance procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0441

Electronic Digital Data Processing Repairman (Display Equipment/SACCS)

Course Number: 3ABR30534B-2; 3ABR30531-6.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS; 3380th Technical School, Keesler AFB, MS.

Length: 38-40 weeks (1080-1118 hours).

Exhibit Dates: 9/68-12/73.

Objectives: To train enlisted personnel to maintain and repair digital equipment.

Instruction: Lectures and practical exercises in digital equipment maintenance and repair, including printer chain, display chain, projection, aerospace ground equipment, and alert-transmit console; and electronic computer principles, including computer introduction, AC and DC circuits, magnetism, vacuum tubes and solid-state devices and circuits, Boolean algebra, computer components, computer units and programming, computer systems, and site management.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours as an elective in electronics (4/74).

AF-1715-0443

1. Electronic Computer Systems Repairman (RCC-EDLCC/465L)
2. Electronic Digital Data Processing Repairman (RCC-EDLCC/SACCS)
3. Electronic Digital Data Processing Repairman (RCC-EDLCC/SACCS)

Course Number: *Version 1:* 3ABR30534B-1. *Version 2:* 3ABR30534B-1. *Version 3:* 3ABR30531-3.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 33 weeks (990 hours). *Version 2:* 36 weeks (1080 hours). *Version 3:* 37 weeks (1020 hours).

Exhibit Dates: *Version 1:* 6/72-12/73. *Version 2:* 2/71-5/72. *Version 3:* 10/68-1/71.

Objectives: To train enlisted personnel to repair electronic digital data processing computer equipment.

Instruction: *All Versions:* Lectures and practical exercises in electronic digital data processing repair, including EDLCC/RCC data processing equipment; digital techniques; circuit logic; maintenance concepts; test routines and malfunction analysis; components isolation and repair; use of aerospace ground equipment; and electronic computer principles, including introduction to computers, AC and DC circuits, magnetism, vacuum tube and solid-state devices and circuits, Boolean algebra, computer components, computer units and programming, computer systems, and site management. *Version 1:* Includes AC motors and synchro systems, wave shaping and generating circuits, input-output devices and Modems.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in computer systems, 1 in electricity or electronics (3/74). *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0444

Weapons Control Systems Mechanic (MG-13 Radar)

Course Number: AL32231G-2.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 28 weeks (840 hours).

Exhibit Dates: 5/58-12/68.

Objectives: To train students to check, adjust, inspect, isolate malfunctions in, and repair specialized radar equipment and its test apparatus.

Instruction: Practical skills training in the use of oscilloscopes, multimeters, and similar equipment in first-level maintenance of radar hardware items, computer self-test and controls, power supply systems and regulators, missile transmitter and control tuning, target detection and display, radar ranging and servo items, and antenna positioning equipment, and system checks, troubleshooting, and isolating malfunctions of the above items.

Credit Recommendation: In the upper-division baccalaureate category, credit in electricity and electronics laboratory on the basis of institutional evaluation (4/74).

AF-1715-0445

1. Weapons Control Systems Mechanic (MG-3, MG-10 Radar)
2. Weapons Control Systems Mechanic (MG-3, MG-10, MG-13 Radar)

Course Number: *Version 1:* AL32231G-1. *Version 2:* AL32231G.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 28 weeks (840 hours). *Version 2:* 20-21 weeks (600—630 hours).

Exhibit Dates: *Version 1:* 5/58-12/68. *Version 2:* 10/57-4/58.

Objectives: To train the student to check, adjust, operate, inspect, isolate malfunctions in, and repair specialized radar equipment and its test apparatus.

Instruction: Practical skill training in the use of test equipment for first-level maintenance of radar hardware items, computer self-test and controls, power generation and distribution equipment, transmitter missile tuning and servos, target detection and display apparatus, radar range and missile servo tests, and antenna positioning equipment, and system checks, troubleshooting, and isolating malfunctions for the above items.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in electricity and electronics laboratory on the basis of institutional evaluation (12/68). *Version 2:* In the upper-division baccalaureate category, credit in electricity and electronics laboratory on the basis of institutional evaluation (12/68).

AF-1715-0446

Electronic Digital Data Processing Repairman (Input-Output/465L RCC Ancillary)

Course Number: ABR30531A-2.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 35 weeks (960 hours).

Exhibit Dates: 1/63-12/68.

Objectives: To train enlisted personnel to repair electronic digital data processing equipment.

Instruction: Lectures and practical exercises in basic electronics, including DC principles through series-parallel circuits, AC circuits, principles of magnetism, transformers, relays, electronic motors, saturable reactors, magnetic amplifiers and servo amplifiers, tube and transistor fundamentals, various oscillators, multivibrators and sweep circuits, computer principles, and computing techniques; and electronic digital data processing repair, including computer circuit principles, digital techniques, input/output devices, input keyboard, electrographic printer, impact printer, alert transmit console, repair procedures, and troubleshooting and maintenance procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0447

1. Electronic Computer Systems Repairman (BUIC AN/GYK-19)
2. Electronic Computer Systems Repairman (BUIC AN/GSA-51A)

Course Number: 3ABR30534C.

Location: *Version 1:* School of Applied Aerospace Sciences, Keesler AFB, MS. *Version 2:* 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 40 weeks (1200 hours). *Version 2:* 43 weeks (1278 hours).

Exhibit Dates: *Version 1:* 2/73-12/73; 2/73-12/73.

Objectives: To train airmen to repair electronic computer systems.

Instruction: Lectures and practical exercises in the repair of electronic computer systems, including DC and AC circuits, vacuum and semiconductor electronics, computer logic and components, operation and application of test equipment, maintenance management, programming of specific equipment, and system operation, core memory, input, output, timing analysis, and terminal operation for specific computer systems.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 1 semester hour in computer laboratory, and 3 as an elective in computers (4/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in digital electronics (4/74).

AF-1715-0448

Electronic Computer Systems Repairman (Display Equipment/412L)

Course Number: 3ALR30554.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 20 weeks (588 hours).

Exhibit Dates: 5/72-12/73.

Objectives: To train enlisted personnel to maintain the 412L display equipment at the organizational and intermediate levels.

Instruction: Lectures and practical exercises in the maintenance of the 412L display equipment, including specific equipment terminology and circuit symbology, logic/circuit analysis and maintenance of the radar data processor, track data processor, surveillance and identification group, height data group, weapons control group display, and performance monitor group; and application and operation of specialized test equipment.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours as an elective in computers (4/74).

AF-1715-0449

Electronic Countermeasures Officer (ECM Officer)

Course Number: ZZ302102.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 30 weeks (927 hours).

Exhibit Dates: 2/56-12/68.

Objectives: To train rated observers to operate and maintain specialized countermeasures equipment.

Instruction: Lectures and practical exercises in AC and DC circuits, vacuum tube electronics, special electronic circuits review, intercept and analysis equipment, reconnaissance and jamming flights, active countermeasures, and jamming flight equipment operation and maintenance.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour as an elective in electricity or electronics (5/74).

AF-1715-0451

Missile Systems Analyst Specialist (AGM-69A)

Course Number: *Version 1:* 3ALR31630T. *Version 2:* 3ABR31630T.

Location: 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 15 weeks (600 hours). *Version 2:* 30 weeks (900 hours).

Exhibit Dates: *Version 1:* 6/73–12/73. *Version 2:* 6/72–5/73.

Objectives: To train enlisted personnel to operate and check out the AGM-69A missile.

Instruction: *All Versions:* Lectures and laboratories in weapon system familiarization, missile systems check-out, AGM-69A missile subsystems operation and maintenance, and flight-line maintenance and repair. *Version 1:* Instruction includes B-52 AGM-69A CAE theory and operation; missile maintenance; bench maintenance; and FB-111 equipment theory, operation, and maintenance. *Version 2:* Instruction includes AGM-69A guidance and flight systems; aerospace ground equipment; B-52 CAE function and location; FB-111 CAE location and operation; digital techniques, including binary and octal numbers, logic functions, truth tables, Boolean algebra, logic diagrams, circuits, counters, and storage devices; electron tubes; introduction to magnetism, AC and DC motors and synchros; use of oscilloscope in circuit measurement; UHF and microwave oscillators and amplifiers; and power supplies, regulators, multivibrators, blocking oscillators, transmission lines, antennas, transmitters, wave-guides, and cavity resonators.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0452

Missile Systems Analyst Specialist, WS-133A-M

Course Number: *All Versions:* 3ABR31630G-1. *Version 2:* ABR31630G-1.

Location: *Version 1:* School of Applied Aerospace Sciences, Chanute AFB, IL. *Version 2:* 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 29–30 weeks (870–1160 hours). *Version 2:* 37 weeks (1020 hours).

Exhibit Dates: *Version 1:* 8/72–12/73. *Version 2:* 10/67–7/72.

Objectives: To train enlisted personnel to be missile system analyst specialists.

Instruction: Lectures and practical exercises in diode and transistor circuits, digital techniques, binary and octal numbers, logic functions, truth tables, Boolean algebra, logic diagrams, introduction to magnetism, AC and DC motors and synchros, electron tubes, power supplies, regulators, multivibrators, blocking oscillators, AM and FM modulation and demodulation, transmitters, wave-guides, transmission lines, antennas, UHF and microwave oscillators and amplifiers, circuits, circuit counters, and storage devices.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0453

Airborne
Meteorological/Atmospheric Research Equipment (MET/ARE) Repairman

Course Number: 3ABR30231.

Location: 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 34 weeks (1014 hours). *Version 2:* 35 weeks (960 hours).

Exhibit Dates: *Version 1:* 7/72–12/73. *Version 2:* 5/68–6/72.

Objectives: To train enlisted personnel to maintain and repair airborne meteorological and atmospheric research equipment.

Instruction: Lectures and practical exercises in airborne meteorological and atmospheric research equipment maintenance and repair, including specific equipment operation, block analysis, vertical and horizontal subsystems, data handling subsystem, control conversion subsystem, dropsonde data recording system, test equipment and check-out of components, dewpoint hygrometer and sea surface temperature indicator, atmospheric research equipment; and digital techniques, including binary and octal numbers, logic functions, truth tables, Boolean algebra, logic diagrams, circuits, counters, and storage devices; electron tubes; introduction to magnetism, AC and DC motors and synchros; use of the oscilloscope in circuit measurement; UHF and microwave oscillators and amplifiers; and power supplies, regulators, multivibrators, blocking oscillators, transmission lines, antennas, transmitters, wave-guides, and cavity resonators.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours as an elective in electronics (4/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours as an elective in electronics (4/74).

AF-1715-0454

1. Missile Systems Analyst Specialist (AGM-28A/B)
2. Missile Systems Analyst Specialist (AGM-28A/B)
   (Air Launch Missile Analyst Mechanic (AGM-28A/B)
3. GAM Analyst Mechanic, GAM-77

Course Number: *Version 1:* 3ABR31630Q. *Version 2:* ABR31630Q; ABR31533Q-2. *Version 3:* ABR31533Q-2.

Location: *Version 1:* School of Applied Aerospace Sciences, Chanute AFB, IL. *All Versions:* 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 25–31 weeks (720–1240 hours). *Version 2:* 28–36 weeks (780–990 hours). *Version 3:* 38–41 weeks (1050–1140 hours).

Exhibit Dates: *Version 1:* 8/68–12/73. *Version 2:* 6/64–7/68. *Version 3:* 9/61–5/64.

Objectives: To train maintenance personnel to be missile analyst mechanics.

Instruction: *All Versions:* Lectures and practical exercises in missile familiarization, flight control systems, missile systems, and guidance systems; digital techniques, including binary and octal numbers, logic functions, truth tables, Boolean algebra, logic diagrams, circuits, counters, and storage devices; electron tubes; introduction to magnetism; AC and DC motors and synchros; use of the oscilloscope in circuit measurement; UHF and microwave oscillators and amplifiers; and power supplies, regulators, multivibrators, blocking oscillators, transmission lines, antennas, transmitters, wave-guides, and cavity resonators. *Version 1:* Instruction includes guidance system hangar maintenance. *Version 2:* Instruction includes guidance calibration and alignment and flight line check-out.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the upper-division baccalaureate category, 1 semester hour in electricity or electronics and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0455

1. Navigation/Bombing/Tactics Trainer Specialist
2. Navigation/Bombing/Tactics Trainer Specialist
   (Navigation/Bombing Trainer and Flight Simulator Tactics Specialist)

Course Number: 3ABR34330-2.

Location: 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 32 weeks (960 hours). *Version 2:* 34–35 weeks (960–1020 hours).

Exhibit Dates: *Version 1:* 8/72–12/73. *Version 2:* 9/69–7/72.

Objectives: To train enlisted personnel as flight simulation specialists.

Instruction: Lectures and practical exercises in introduction to digital computers, solid-state digital circuitry; radar principles and navigation systems; peripheral equipment operation, including memories, tape units, and printers; digital techniques, including binary and octal numbers, logic functions, truth tables, Boolean algebra, logic diagrams, circuits, counters, and storage devices; electron tubes; introduction to magnetism; AC and DC motors and synchros; use of the oscilloscope in circuit measurement; UHF and microwave oscillators and amplifiers; and power supplies, regulators, multivibrators, blocking oscillators, transmission lines, antennas, transmitters, wave-guides, and cavity resonators.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in digital computers, and additional credit in digital computers on the basis of institutional evaluation (4/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in digital computers, and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0456

Missile Electronic Equipment Specialist, WS-133A

Course Number: ABR31632G.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 42 weeks (1170 hours).

Exhibit Dates: 11/66–12/68.

Objectives: To train enlisted personnel to operate and inspect missile launch equipment.

Instruction: Lectures and practical exercises in missile launch equipment operation and inspection, including equipment familiarization, introduction to logic and test equipment, and operation and maintenance of electronic facility base maintenance test equipment; and electronic principles, including digital techniques, binary and octal numbers, logic functions, truth tables, Boolean algebra, logic diagrams, circuits, counters, storage devices, electron tubes, introduction to magnetism, AC and DC motors and synchros, use of the oscilloscope in circuit measurement, UHF and microwave oscillators and amplifiers, power supplies, regulators, multivibrators, blocking oscillators, transmission lines, antennas, transmitters, wave-guides, and cavity resonators.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0457

Missile Electronic Equipment Specialist (AGM-69A)

Course Number: 3ABR31632T.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL.

Length: 28 weeks (840 hours).

Exhibit Dates: 5/72-12/73.

Objectives: To train enlisted personnel to operate and maintain air-to-ground missile check-out equipment.

Instruction: Lectures and practical exercises in air-to-ground missile check-out equipment operation and maintenance, including weapon system familiarization, programming set, adapter set, inserter set, printer set, simulator, test set, and launcher/missile operation and maintenance; electronic principles, including digital techniques, binary and octal numbers, logic functions, truth tables, Boolean algebra, logic diagrams, circuits, counters, storage devices, electron tubes, introduction to magnetism, AC and DC motors and synchros, use of oscilloscope in circuit measurement, UHF and microwave oscillators and amplifiers, power supplies, regulators, multivibrators, blocking oscillators, transmission lines, antennas, transmitters, waveguides, and cavity resonators.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0458

1. Missile Electronic Equipment Specialist (AGM-28A/B)
2. Air Launch Missile Checkout Equipment Repairman (AGM-28A/B)
3. Air Launch Missile Checkout Equipment Repairman (AGM-28A/B)

(GAM Checkout Equipment Repairman (GAM-77))

Course Number: *Version 1:* 3ABR31632Q. *Version 2:* ABR31534Q. *Version 3:* ABR31534Q.

Location: 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 27 weeks (780 hours). *Version 2:* 35 weeks (960 hours). *Version 3:* 38-39 weeks (1050-1080 hours).

Exhibit Dates: *Version 1:* 11/68-12/73. *Version 2:* 3/66-10/68. *Version 3:* 5/63-2/66.

Objectives: To train enlisted personnel to maintain and repair electronic equipment and air launch missile check-out equipment.

Instruction: Lectures and practical exercises in the maintenance and repair of missile electronic equipment and air launch missile check-out equipment, including missile familiarization, missile/pylon simulator, pneumatic and hydraulic automatic ground equipment, flight attitude positioner, electrical components test stands, and printed circuit card test set; and electronic principles, including digital techniques, binary and octal numbers, logic functions, truth tables, Boolean algebra, logic diagrams, circuits, counters, storage devices, electron tubes, introduction to magnetism, AC and DC motors and synchros, use of the oscilloscope in circuit measurement, UHF and microwave oscillators and amplifiers, power supplies, regulators, multivibrators, blocking oscillators, transmission lines, antennas, wave-guides, and cavity resonators.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in electricity or electronics and credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics and credit in electrical laborntory on the basis of institutional evaluation (3/74). *Version 3:* In the upper-division baccalaureate category, 8 semester hours in electricity or electronics and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0459

Missile Launch Equipment Repairman, WS-133A

(Ballistic Missile Launch Equipment Repairman, WS-133A)

(Ballistic Missile Launch Equipment Repairman, SM-80)

Course Number: ABR31430G; ABR31236G.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 32-38 weeks (864-1050 hours).

Exhibit Dates: 8/62-12/68.

Objectives: To train enlisted personnel to be missile launch equipment repairmen.

Instruction: Lectures and practical exercises in missile launch equipment repair, including system familiarization, guidance and control system, missile targeting set, programmer test center familiarization, base maintenance test equipment, control guidance coupler and test set, and data analysis central familiarization; and electronic principles, including digital techniques, binary numbers, logic functions, truth tables, Boolean algebra, logic diagrams, circuits, counters, storage devices, electron tubes, introduction to magnetism, AC and DC motors and synchros, use of the oscilloscope in circuit measurement, UHF and microwave oscillators and amplifiers, power supplies, regulators, multivibrators, blocking oscillators, transmission lines, antennas, transmitters, wave-guides, and cavity resonators.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0460

Automatic Flight Control System Specialist

Course Number: 3ABR32530-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 34 weeks (960 hours).

Exhibit Dates: 5/71-12/73.

Objectives: To train enlisted personnel to maintain automatic flight control systems.

Instruction: Lectures and practical exercises in automatic flight control systems maintenance, including basic physics and mechanics, computer operation, power distribution circuitry, digital logic, and analog and servo systems; and electronic fundamentals, including digital techniques, binary and octal numbers, logic functions, truth tables, Boolean algebra, logic diagrams, circuits, counters, storage devices, electron tubes, introduction to magnetism, AC and DC motors and synchros, use of the oscilloscope in circuit measurement, UHF and microwave oscillators and amplifiers, power supplies, regulators, multivibrators, blocking oscillators, transmission lines, antennas, transmitters, wave-guides, and cavity resonators.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electronics and electronics laboratory (4/74).

AF-1715-0461

Missile Electronic Equipment Specialist, WS-133B

Course Number: *All Versions:* 3ABR31632H. *Version 2:* ABR31632H.

Location: 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 35 weeks (1050 hours). *Version 2:* 38 weeks (1050 hours).

Exhibit Dates: *Version 1:* 4/71-12/73. *Version 2:* 9/66-3/71.

Objectives: To train enlisted personnel to operate, maintain, and inspect missile launch and test equipment.

Instruction: Lectures and practical exercises in electronic principles, including digital techniques, binary and octal numbers, logic functions, truth tables, Boolean algebra, logic diagrams, circuits, counters, storage devices, electron tubes, introduction to magnetism, AC and DC motors and synchros, use of the oscilloscope in circuit measurement, UHF and microwave oscillators and amplifiers, power supplies, regulators, multivibrators, blocking oscillators, transmission lines, antennas, transmitters, waveguides, and cavity resonators; weapon system familiarization; introduction to logic and test equipment; manual and semiautomatic maintenance ground equipment test set, digital data test set; radio test set; interrogator and transponder test set; message processing control group; terminal digital data system; and launch facility power distribution and test sets.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electronics laboratory on the basis of institutional evaluation (3/74).

AF-1715-0462

Avionics Instrument Systems Specialist

Course Number: 3ABR32531.

Location: *Version 1:* School of Applied Aerospace Sciences, Chanute AFB, IL. *Version 2:* 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 26 weeks (780 hours). *Version 2:* 27-28 weeks (810 hours).

Exhibit Dates: *Version 1:* 2/73-12/73. *Version 2:* 9/68-1/73.

Objectives: To train enlisted personnel to be avionics instrument systems specialists.

Instruction: Lectures and practical exercises in avionics instrument systems, including electromechanical transducers used in aircraft indication and control systems; maintenance management; instrument maintenance fundamentals; supply and technical order system; accelerometer operation; periscopic sextant operation and collimation; engine instruments; integrated flight and navigational instruments; and electronic fundamentals, including digital techniques, electron tubes, introduction to magnetism, AC and DC motors and synchros, use of the oscilloscope in circuit measurement, UHF and microwave oscillators and amplifiers, power supplies, regulators, multivibrators, blocking oscillators, transmission lines, antennas, transmitters, wave-guides, and cavity resonators.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0463

Guidance Systems Mechanic (TM-61C)

Course Number: ABR31130H.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 16–25 weeks (450–660 hours).

Exhibit Dates: 9/58–12/68.

Objectives: To train airmen to perform as apprentice guidance systems mechanics or guidance systems mechanics on TM-61C series missiles.

Instruction: Lectures and practical exercises in guidance systems, including principles of electricity, AC and DC circuits and principles, magnetism, transformers, vacuum tubes, amplifiers, generators, oscilloscopes, transmission lines, wave-guides, cavity resonators, microwave oscillators, wave propagation, antennas, and servo systems; guidance system components, test equipment, and radar sets; and base station operation, components, and data flow and circuit analysis.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0464

Offensive Fire Control Systems Mechanic (MA-8 System)
(Fire Control Systems Mechanic (MA-8 System))

Course Number: ABR32230L.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 29–35 weeks (768–960 hours).

Exhibit Dates: 11/59–12/68.

Objectives: To train airmen to repair fire control systems.

Instruction: Lectures and practical exercises in the repair of fire control systems, including DC, AC, and reactive circuits; vacuum tubes and solid-state devices; amplifiers and oscillators; detection and discrimination; microwave operation; special-purpose tubes; multivibrators; sweep and logic circuits; circuit analysis; hand tool use; specific transmitters; modulators, antennas, receivers, range computers, power supplies, computing gun, bombs, rocket sights and bombing computers; and system tie-in and troubleshooting.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0474

1. Communications Maintenance Officer
2. Communications Officer
3. Communications Officer
4. Communications Officer

Course Number: *Version 1:* 3OBR3031. *Version 2:* 3OBR3031. *Version 3:* OBR3031. *Version 4:* OBR3031.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 32 weeks (960 hours). *Version 2:* 40 weeks (1200 hours). *Version 3:* 45 weeks (1350 hours). *Version 4:* 43 weeks (1290 hours).

Exhibit Dates: *Version 1:* 6/70–12/73. *Version 2:* 10/68–5/70. *Version 3:* 2/64–9/68. *Version 4:* 7/55–1/64.

Objectives: To train officers to command communications units.

Instruction: *All Versions:* Lectures and practical exercises in electronic principles, including AC and DC circuits, RLC circuits, solid-state power supplies and amplifiers, solid-state applications in wave generations, digital techniques, electron tubes, circuits, transmitters and receiver systems and microwave principles. *Version 1:* Instruction includes communications management and telephone systems, airbase systems, communications tributary and relay stations, multichannel communications systems, radio facilities, navigation aids, communications security, and command and control communications. *Version 2:* Instruction includes communications management and telephone systems, airbase systems, communications tributary and relay stations, multichannel communications systems, radio facilities, navigation aids, communications security, and command and control communications. *Version 3:* Instruction includes communications management and telephone systems, airbase systems, communications tributary and relay stations, multichannel communications systems, radio facilities, navigation aids, communications security, and command and control communications. *Version 4:* Instruction includes communications electronics, radio communications equipment, wire communications equipment, cryptographic communications, and communications problems and procedures.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 12 semester hours in electronics and additional credit in electronics on the basis of institutional evaluation (4/74). *Version 2:* In the upper-division baccalaureate category, 12 semester hours in electronics and additional credit in electronics on the basis of institutional evaluation (4/74). *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 4:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics and additional credit in electricity or electronics on the basis of institutional evaluation (4/74).

AF-1715-0475

Avionic Sensor Systems Specialist (Electronic Sensors)

Course Number: 3ABR32930A.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 31 weeks (930 hours).

Exhibit Dates: 8/71–12/73.

Objectives: To train airmen to operate, maintain, and repair electronic aircraft sensor systems.

Instruction: Lectures and practical exercises in electronics fundamentals and the operation, maintenance, and repair of electronic aircraft sensor systems, including DC and AC fundamentals (algebra based), tubes, transistors, power supplies, amplifiers, oscillators, wave-shaping circuits, AM, FM, single sideband, transmission lines and antennas, servomechanisms, cavity resonators, microwave principles, electrical test equipment, electronic side-looking radar (SLR) sets, infrared sensor systems, data display sets, camera parameter controls, reconnaissance laser systems, and low-light-level television sensor systems.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in electricity or electronics, and 3 additional hours in electricity or electronics on the basis of institutional evaluation (4/74).

AF-1715-0476

1. Integrated Avionics Component Specialist (Navigation/Flight and Weapons Control, and Flight Data Recorder Systems)
2. Integrated Avionics Component Specialist (Navigation/Flight and Weapons Control)
(Integrated Avionics System Specialist (Navigation/Flight and Weapons Control))

Course Number: 3ABR32631A.

Location: *Version 1:* School of Applied Aerospace Sciences, Lowry AFB, CO. *Version 2:* 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 26 weeks (780 hours). *Version 2:* 28–39 weeks (840–1170 hours).

Exhibit Dates: *Version 1:* 2/73–12/73. *Version 2:* 10/70–1/73.

Objectives: To train airmen to inspect, modify, troubleshoot, and repair avionics component systems (navigation/flight and weapon control and flight data recorder systems) at the intermediate level.

Instruction: *All Versions:* Lectures and practical exercises in maintenance electronics or electronics fundamentals, and the inspection, modification, troubleshooting, and repair of avionics components systems (navigation/flight and weapon control and flight data recorder systems), including DC and AC fundamentals, tubes, power supplies, transistors, amplifiers, oscillators, wave-shaping circuits, AM and FM, electrical test equipment, aerospace ground test equipment, and maintenance of specific airborne equipment and components. *Version 1:* Includes electricity principles, semiconductors, computer principles (analog and digital), multivibrators, digital circuits, AM, FM, balanced modulation, principles of radar, infrared and lasers, and system analysis procedures. *Version 2:* Includes single sideband, transmission lines and antennas, servomechanisms, cavity resonators, and microwave principles.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 1 semester hour in electricity and electronics and additional credit in electricity and electronics on the basis of institutional evaluation (4/74). *Version 2:* In the upper-division baccalaureate category, 6 semester hours in basic electronics, 1 in electronics laboratory, and additional credit in electronics on the basis of institutional evaluation (4/74).

AF-1715-0477

1. Missile Guidance and Control Specialist (CGM-13B, GEMS)
2. Missile Guidance and Control Specialist (CGM-13B, GEMS)
(Tactical Missile Guidance Mechanic (CGM-13B/GEMS))
(Tactical Missile Guidance Mechanic (MACE, CGM-13B/GEMS))
3. Tactical Missile Guidance Mechanic (TM-76B/GEMS)

Course Number: *Version 1:* 3AZR3165N-2; AZR31651N-2. *Version 2:* ABR31631N-2; ABR31431Y. *Version 3:* ABR314314.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 28–30 weeks (840–900 hours). *Version 2:* 33–49 weeks (900–1380 hours). *Version 3:* 35 weeks (960 hours).

Exhibit Dates: *Version 1:* 2/67–12/73. *Version 2:* 9/63–1/67. *Version 3:* 10/62–8/63.

Objectives: To train airmen to perform as missile guidance and control specialists.

Instruction: Lectures and practical exercises in electronics fundamentals and in the operation, maintenance, and repair of missile guidance and control equipment and associated test sets (CGM-13B), or in the operation, maintenance, and repair of missile guidance and control equipment and associated test sets (TM-76B), including DC and AC circuits, reactive circuits, vacuum tubes and transistors, amplifiers and oscillators, aerospace ground equipment, inertial guidance theory, and missile guidance components; power supplies, wave-shaping circuits; AM and FM, single sideband, transmission lines and antennas; servomechanisms; cavity resonators, microwave principles; and electrical test equipment.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 6 semester hours in electronics and additional credit in electronics on the basis of institutional evaluation (4/74). *Version 2:* In the upper-division baccalaureate category, 6 semester hours in electronics and additional credit in electronics on the basis of institutional evaluation (4/74). *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0478

AVIONIC SENSOR SYSTEMS SPECIALIST
(ELECTRO-OPTICAL SENSORS)

Course Number: 3ABR32930B, 3ABR30135B.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 28–32 weeks (840–870 hours).

Exhibit Dates: 2/70–12/73.

Objectives: To train airmen to repair aircraft sensor systems.

Instruction: Lectures and practical exercises in electronics fundamentals and the repair of aircraft sensor systems, including DC and AC fundamentals (algebra based), tubes, transistors, power supplies, amplifiers, oscillators, wave-shaping circuits, AM, FM, single sideband, transmission lines and antennas, servomechanisms, cavity resonators, microwave principles, electrical test equipment, and maintenance of electro-optical cameras, data display sets, aircraft cameras parameter controls, viewfinders, camera mounts, magazines and cassettes, and camera controls.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in electronics, and additional credit in electronics on the basis of institutional evaluation (4/74).

AF-1715-0479

AIRCRAFT SENSOR SYSTEMS REPAIRMAN
(ELECTRONIC SENSORS)

Course Number: 3ABR30135A.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 31–34 weeks (930–990 hours).

Exhibit Dates: 2/70–12/73.

Objectives: To train airmen to inspect, maintain, and repair aircraft sensor systems.

Instruction: Lectures and practical exercises in electronics fundamentals and the inspection, maintenance, and repair of aircraft sensor systems, including DC and AC fundamentals (algebra based), tubes, transistors, power supplies, amplifiers, oscillators, wave-shaping circuits, AM, FM, microwave principles, electrical test equipment, single sideband, transmission lines and antennas, servomechanisms, cavity resonators, optics, radar and laser principles, and instruction in electronic side-looking radar (SLR) sets, infrared sensor systems, data display sets, camera parameter controls, reconnaissance laser systems, and low-light-level television sensor systems.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in electronics, and additional credit in electronics on the basis of institutional evaluation (4/74).

AF-1715-0480

SPACE COMMUNICATIONS SYSTEMS
EQUIPMENT OPERATOR/SPECIALIST

Course Number: 3ABR30436.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS.

Length: 27 weeks (810 hours).

Exhibit Dates: 9/72–12/73.

Objectives: To train airmen to operate, install, inspect, maintain, and repair space communications terminal equipment, automatic tracking systems, and associated equipment.

Instruction: Lectures and practical exercises in electronics fundamentals and the operation, installation, inspection, maintenance and repair of space communications terminal equipment, automatic tracking systems, and associated equipment, including DC and AC fundamentals (algebra based), tubes, transistors, power supplies, amplifiers, oscillators, wave-shaping circuits, AM, FM, single sideband, transmission lines and antennas, servomechanisms, cavity resonators, microwave principles, electrical test equipment, modulation, UHF-SHF equipment, voice and data multiplex, frequency standards and timing units, and signaling systems.

Credit Recommendation: In the upper-division baccalaureate category, 21 semester hours in electronics, and additional credit in electronics on the basis of institutional evaluation (3/74).

AF-1715-0481

1. MISSILE GUIDANCE AND CONTROL
   SPECIALIST (CGM-13B, GSC)
2. MISSILE GUIDANCE AND CONTROL
   SPECIALIST (CGM-13B, GSC)
   (Tactical Missile Guidance Mechanic
   (CGM-13B))
3. TACTICAL MISSILE GUIDANCE
   MECHANIC (MACE, MGM-13C)
   (Tactical Missile Guidance Mechanic
   (TM-76B, GSC))
   (Tactical Missile Guidance Mechanic
   and Checkout Equipment Repairman
   (TM-76B, GEMS))
   (Guidance System Mechanic (TM-76B))

Course Number: *Version 1:* 3ABR31631N-1. *Version 2:* ABR31631N-1. *Version 3:* ABR311306-2; ABR31431N.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 33–36 weeks (900–990 hours). *Version 2:* 28–36 weeks (750–990 hours). *Version 3:* 30–35 weeks (810–960 hours).

Exhibit Dates: *Version 1:* 3/68–12/73. *Version 2:* 2/65–2/68. *Version 3:* 12/60–1/65.

Objectives: To train airmen to perform as missile guidance and control specialists (CGM-13B or TM-76B).

Instruction: Lectures and practical exercises in maintenance of missile guidance and control equipment, including inertial guidance systems theory, operation, components, and troubleshooting; ground support equipment; DC and AC fundamentals; reactive circuits; vacuum tubes and solid-state devices; amplifiers and oscillators; electrical test equipment and system test consoles; power supplies; wave-shaping circuits; AM; FM; single sideband; transmission lines; servomechanisms; antennas; cavity resonators; and microwave principles.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 6 semester hours in electricity or electronics and additional credit in electronics on the basis of institutional evaluation (4/74). *Version 2:* In the upper-division baccalaureate category, 9 semester hours in electricity or electronics and additional credit in electronics on the basis of institutional evaluation (4/74). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0482

1. DEFENSIVE FIRE CONTROL SYSTEM
   MECHANIC (A-3A, MD-9, ASG-15
   TURRETS)
2. DEFENSIVE FIRE CONTROL SYSTEM
   MECHANIC (A-3A, MD-9, ASG-15
   TURRETS)
3. DEFENSIVE FIRE CONTROL SYSTEMS
   MECHANIC (A-3A, MD-9, ASG-15
   TURRETS)
   (Defensive Fire Control Systems
   Mechanic (A-3A, MD-9, ASG-15
   Fire Control Systems))
4. TURRET SYSTEMS MECHANIC (A-3A,
   MD-9, ASG-15 TURRETS)
5. TURRET SYSTEMS MECHANIC
   (A3A/MD9 TURRETS)
   (Turret System Mechanic (B-52, A-3A))

Course Number: *Version 1:* 3ABR32330G. *Version 2:* 3ABR32330G. *Version 3:* ABR32330G. *Version 4:* ABR32330G. *Version 5:* ABR32330G; AB32330G.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 30 weeks (894 hours). *Version 2:* 30–33 weeks (894 hours). *Version 3:* 38–40 weeks (1080–1110 hours). *Version 4:* 33–36 weeks (900–990 hours). *Version 5:* 23–28 weeks (600–750 hours).

Exhibit Dates: *Version 1:* 3/71–12/73. *Version 2:* 7/68–2/71. *Version 3:* 7/62–6/68. *Version 4:* 11/59–6/62. *Version 5:* 3/57–10/59.

Objectives: To train airmen to perform as defensive fire control system mechanics or B-52 turret system mechanics.

Instruction: *All Versions:* Lectures and practical exercises in maintenance electronics and defensive fire control systems, electrical fundamentals, and maintenance of B-52 turret systems, including basic electricity principles, AC and DC, amplifiers, power supplies, computer, track radar and search radar data flow and adjustments, and testing procedures and equipment. *Version 1:* Includes electrical test equipment, semiconductors, transistors, oscillators, vacuum tubes, wave-shaping circuits, computer principles (analog and digital), multivibrators; digital circuits and AM, FM, and balanced modulation; system analysis procedures, principles of radar, infrared, and lasers; various modes of operation, harmonization, and 50 caliber machine gun equipment. *Version 2:* Includes vacuum tubes, transistors, oscillators, wave-shaping circuits, AM, FM, single sideband, transmission lines and antennas, servomechanisms, cavity resonators, microwave principles, electrical test equipment, various modes of operation, harmonization, and 50 caliber machine gun equipment. *Version 3:* Includes reactive circuits, vacuum tubes and solid-state devices, oscillators, detection and discrimination procedures, microwave operation, multivibrators, sweep and logic circuits, turret drive data flow, equipment differences and TV link, transmitter and receiver, pulse sweep generator, and target position computer. *Version 4:* Includes basic electricity, magnetism, generators, motors, multivibrators, turret drive data flow, equipment differences and TV link, and target position computer. *Version 5:* Includes basic electricity, magnetism, generators, motors, multivibrators, electrical test equipment, radio transmission and reception, radar principles, equipment operational principles, equipment differences and TV link, various modes of operation, target position computer, and turret drive data flow.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 2:* In the upper-division baccalaureate category, 6 semester hours in electronics and additional credit in electronics on the basis of institutional evaluation (4/74). *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 4:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 5:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0483

1. Bomb Navigation System Mechanic (B-52E, F, G, H; ASB-4A/9A/16 Systems)
2. Bomb Navigation Systems Mechanic (B-52E, F, G, H; ASB-4A/9A/16 Systems)
   (Bomb Navigation Systems Mechanic (ASB-4A/9A/16 Systems))
   (Bomb Navigation Systems Mechanic (ASB-4/4A/9/9A/16 Systems))
3. Bomb Navigation Systems Mechanic (ASB-4/4A/9/9A/16 Systems)
4. Bomb Navigation Systems Mechanic (ASB-4 Systems)
5. Bomb Navigation Systems Mechanic (MA-2 System)

Course Number: *Version 1:* 3ABR32130K. *Version 2:* 3ABR32130K; ABR32130K. *Version 3:* ABR32130K. *Version 4:* ABR32130K. *Version 5:* AB32130K.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 33-36 weeks (990-1020 hours). *Version 2:* 40 weeks (1110 hours). *Version 3:* 42 weeks (1170 hours). *Version 4:* 26 weeks (690 hours). *Version 5:* 24 weeks (630 hours).

Exhibit Dates: *Version 1:* 1/69-12/73. *Version 2:* 5/62-12/68. *Version 3:* 8/61-4/62. *Version 4:* 7/59-7/61. *Version 5:* 2/58-6/59.

Objectives: To train airmen to test, maintain, and repair specific bomb navigation systems.

Instruction: *All Versions:* Lectures and practical exercises in electrical fundamentals and the testing, maintenance, and repair of specific bomb navigation systems, including DC, AC, and reactive circuits, vacuum tubes and transistors, amplifiers, bombing and navigation computers, radar data presentation set, and adjustment and troubleshooting of specific equipment and components. *Version 1:* Includes power supplies, wave-shaping circuits, AM, FM, single-sideband, transmission lines and antennas, cavity resonators, oscillators, special circuits, servomechanisms, microwave principles, electrical test equipment, terrain computer, and radar fundamentals and equipment. *Version 2:* Includes power supplies, wave-shaping circuits, AM, FM, single-sideband, transmission lines and antennas, cavity resonators, oscillators, special circuits, servomechanisms, microwave principles, electrical test equipment, terrain computer, and radar fundamentals and equipment. *Version 3:* Includes oscillators, motors and servomechanisms, multivibrators and sweep circuits, microwave principles, terrain computer, timing circuits, and monopulse radar. *Version 5:* Includes transmitting and receiving and high-speed bombing radar.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 8 semester hours in electricity and electronics and credit in electronics and electrical laboratory on the basis of institutional evaluation (4/74). *Version 2:* In the upper-division baccalaureate category, 8 semester hours in electricity and electronics and credit in electronics and electrical laboratory on the basis of institutional evaluation (4/74). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in electricity or electronics and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 4:* In the upper-division baccalaureate category, 2 semester hours in electricity and electronics and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 5:* In the upper-division baccalaureate category, 2 semester hours in electricity and electronics and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0484

1. Tactical Missile Guidance Mechanic (MGM-13A)
2. Tactical Missile Guidance Mechanic (TM-76A)
3. Tactical Missile Guidance Mechanic (TM-76A)

Course Number: ABR31431M.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 35 weeks (960 hours). *Version 2:* 35 weeks (960 hours). *Version 3:* 37 weeks (1020 hours).

Exhibit Dates: *Version 1:* 10/64-12/68. *Version 2:* 11/62-9/64. *Version 3:* 10/61-10/62.

Objectives: To train airmen to operate, maintain, and inspect MGM-13A and TM-76A missile guidance systems and associated equipment.

Instruction: *All Versions:* Lectures and practical exercises in electronics fundamentals and the operation, maintenance, and inspection of MGM-13A and TM-76A missile guidance systems and associated equipment, including AC and DC fundamentals, vacuum tubes and transistors, amplifiers and oscillators, motors and servomechanisms, multivibrators and sweep circuits, microwave principles, guidance system check-out equipment, ground support equipment, and troubleshooting techniques for specific guidance system equipment. *Version 1:* Includes power supplies, wave-shaping circuits, AM, FM, single sideband, transmission lines and antennas, cavity resonators, and electrical test equipment. *Version 2:* Includes radar principles.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 6 semester hours in electronics, and additional credit in electronics on the basis of institutional evaluation (4/74). *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0485

1. Bomb Navigation System Mechanic (B-52C/D; ASB-15 System)
2. Bomb-Navigation Systems Mechanic (B-52C/D; ASB-15 System)
   (Bomb-Navigation System Mechanic (ASB-15 System))

Course Number: *Version 1:* 3ABR32130L. *Version 2:* ABR32130L.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 32-39 weeks (960-1170 hours). *Version 2:* 42-43 weeks (1170-1200 hours).

Exhibit Dates: *Version 1:* 7/68-12/73. *Version 2:* 7/63-6/68.

Objectives: To train airmen to repair the B-52C/D; ASB-15 bomb navigation system.

Instruction: Lectures and practical exercises in electronics fundamentals and the repair of the B-52 C/D; ASB-15 bomb navigation system, including DC and AC fundamentals (algebra based), tubes, transistors, power supplies, amplifiers, oscillators, wave-shaping circuits, AM, FM, single sideband, transmission lines and antennas, servomechanisms, cavity resonators, microwave principles, electrical test equipment, pulse circuits, circuit diagrams, data flow, radar and computer equipment, and troubleshooting techniques for specific equipment.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 7 semester hours in electricity and electronics, and credit in electronics and electrical laboratory on the basis of institutional evaluation (4/74). *Version 2:* In the upper-division baccalaureate category, 7 semester hours in electricity and electronics, and credit in electronics and electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0486

1. Weapons Control System Mechanic (F/FB-111)
2. Weapons Control Systems Mechanic (F-111A)

Course Number: *Version 1:* 3ABR32231R-4. *Version 2:* 3ABR32231R.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 23-24 weeks (660-720 hours). *Version 2:* 25 weeks (720 hours).

Exhibit Dates: *Version 1:* 9/68-12/73. *Version 2:* 9/67-8/68.

Objectives: To train airmen in electronics fundamentals and to perform as weapon control systems mechanics.

Instruction: Lectures and practical exercises in electronics fundamentals and weapons control systems, including DC and AC fundamentals (algebra based), tubes, transistors, power supplies, amplifiers, oscillators, wave-shaping circuits, AM, FM, single sideband, transmission lines and antennas, servomechanisms, cavity resonators, microwave principles, electrical test equipment, binary system, Boolean algebra, digital logic and circuits, and use and maintenance of specific equipment.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 1 semester hour in computers, 7 in electricity or electronics, and credit in electronics and electrical laboratory on the basis of institutional evaluation (4/74). *Version 2:* In the upper-division baccalaureate category, 1 semester hour in computers, 7 in electricity or electronics, and credit in electronics and electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0488

1. Air Traffic Control Radar Repairman
2. Air Traffic Control Radar Repairman
3. Air Traffic Control Radar Repairman
4. Air Traffic Control Radar Repairman (AN/MPN-1)
5. Air Traffic Control Radar Repairman (AN/MPN-1)

Course Number: *Version 1:* 3ABR30331. *Version 2:* 3ABR30331. *Version 3:* ABR30331. *Version 4:* AB30331A. *Version 5:* AB30331A.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 39-42 weeks (1170-1260 hours). *Version 2:* 42 weeks (1170 hours). *Version 3:* 44-46 weeks (1260-1290 hours). *Version 4:* 23-33 weeks (900-930 hours). *Version 5:* 12 weeks (360 hours).

Exhibit Dates: *Version 1:* 1/70-12/73. *Version 2:* 5/68-12/69. *Version 3:* 9/59-4/68.* *Version 4:* 11/54-8/59. *Version 5:* 8/54-10/54.

Objectives: To train airmen to operate, maintain, and repair air traffic control radar equipment and associated identification and test equipment.

Instruction: *All Versions:* Lectures and practical exercises in the operation, maintenance, and repair of air traffic control radar equipment and associated identification and test equipment, including DC, AC, magnetism, electron tubes and power supplies, amplifiers and oscillators, special circuits, microwave principles, radar system principles, transmitter and receiver system circuits, surveillance indicating system, precision indicator and remoting system, and components and troubleshooting procedures of specific radar systems and subsystems. *Version 1:* Includes resonance; motors; synchros; diodes; transistors; operation, function, and basic mathematical relationships of regulators, multivibrators, pulsed and blocking oscillators, AM, FM, and PM systems; binary and octal numbers; logic function; diagrams and circuits; truth tables; Boolean algebra; counters and storage devices; digital techniques; transmission lines and antennas; wave-guides; cavity resonators; UHF and microwave oscillators and amplifiers; electrical test equipment; IFF and SIF systems; coding and decoding; control circuits; and communications equipment. *Version 2:* Includes resonance, motors and servomechanisms, solid-state diodes, transistors, vacuum tubes, FM, single sideband, transmission lines and antennas, discrimination, wave-shaping circuits, cavity resonators, IFF and SIF systems, coding and decoding, and control circuits. *Version 3:* Includes communications and beacon equipment. *Version 4:* Includes vacuum tubes, transistors, modulation, detection, synchros, approach indicator, and communications and beacon equipment. *Version 5:* Includes communications and beacon equipment.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 4 semester hours in electricity or electronics, 2 in electronics laboratory, and additional credit in electronics laboratory on the basis of institutional evaluation (4/74). *Version 2:* In the upper-division baccalaureate category, 6 semester hours in electricity or electronics and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 4:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 5:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0489

Radio Relay Equipment Repairman

Course Number: *All Versions:* 3ABR30430. *Version 3:* ABR30430.

Location: *Version 1:* School of Applied Aerospace Sciences, Keesler AFB, MS. *All Versions:* 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 27-34 weeks (1020-1080 hours). *Version 2:* 36 weeks (990 hours). *Version 3:* 38 weeks (1050 hours).

Exhibit Dates: *Version 1:* 6/71-12/73. *Version 2:* 6/69-5/71. *Version 3:* 10/63-5/69.

Objectives: To train airmen to perform as radio relay equipment repairmen.

Instruction: *All Versions:* Lectures and practical exercises in electricity and electronics fundamentals and radio relay equipment repair including DC and AC, transistors and tubes, amplifiers and oscillators, motors, microwave principles, telegraph and telephone multiplexing, and radio relay systems. *Version 1:* Includes resonance; magnetism; synchros; operation, function, and basic mathematical relationships of power supplies, regulators, multivibrators, pulsed and blocking oscillators, AM, FM, and PM systems; logic functions; diagrams and circuits; truth tables; Boolean algebra; counters and storage devices; digital techniques; transmission lines and antennas; transmitters; wave-guides; cavity resonators; electrical test equipment; link systems; forward propagation tropospheric scatter equipment testing; troubleshooting, alignment, and maintenance; block-diagram and circuit analysis; and line-of-sight radio terminals. *Version 2:* Includes resonance; magnetism; synchros; operation, function, and basic mathematical relationships of power supplies, regulators, multivibrators, pulsed and blocking oscillators, AM, FM and PM systems; logic functions; diagrams and circuits; truth tables; Boolean algebra; counters and storage devices; digital techniques; transmission lines and antennas; transmitters, wave-guides; cavity resonators; electrical test equipment; link systems; forward propagation tropospheric scatter equipment testing, troubleshooting, alignment, and maintenance; block-diagram and circuit analysis; and line-of-sight radio terminals. *Version 3:* Includes reactive circuits, detection and discrimination, servomechanisms, multivibrators and sweep circuits, circuit analyses, and tactical and fixed radio relay.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in electrical laboratory (4/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in electrical laboratory (4/74). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in electrical laboratory (4/74).

AF-1715-0490

Flight Facilities Equipment Repairman

Course Number: *Version 1:* 3ABR30431. *Version 2:* 3ABR30431; ABR30431. *Version 3:* ABR30431. *Version 4:* ABR30431.

Location: *Version 1:* School of Applied Aerospace Sciences, Keesler AFB, MS. *All Versions:* 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 35-38 weeks (1080-1336 hours). *Version 2:* 39 weeks (1080 hours). *Version 3:* 37 weeks (1020 hours). *Version 4:* 36 weeks (990 hours).

Exhibit Dates: *Version 1:* 6/71-12/73. *Version 2:* 9/63-5/71. *Version 3:* 6/60-8/63. *Version 4:* 8/59-5/60.

Objectives: To train airmen to operate, install, test, troubleshoot, adjust, maintain, and repair flight facilities equipment.

Instruction: *All Versions:* Lectures and practical exercises in electronics principles and the operation, installation, testing, troubleshooting, adjustment, maintenance, and repair of flight facilities equipment, including DC and AC, resonance, electron tubes and power supplies, transistors, amplifiers and oscillators, AM and FM systems, special circuits, detection and discrimination, radar beacon systems, omni-range analysis, instrument landing system analysis, and TACAN systems analysis. *Version 1:* Includes magnetism; motors; synchros; operation, functions, and basic mathematical relationships of power supplies, regulators, pulse modulation, pulsed and blocking oscillators; transmission lines and antennas; transmitters; wave-guides; cavity resonators; UHF and microwave oscillators and amplifiers; electrical test equipment; binary and octal numbers; logic function; diagrams and circuits; Boolean algebra; truth tables; counters and storage devices; and digital techniques. *Version 2:* Includes magnetism; motors; synchros; operation, function, and basic mathematical relationships of power supplies, regulators, pulse modulation, pulsed and blocking oscillators; transmission lines and antennas; transmitters; wave-guides; cavity resonators; UHF and microwave oscillators and amplifiers; electrical test equipment; binary and octal numbers; logic function; diagrams and circuits; Boolean algebra; truth tables; counters and storage devices; and digital techniques. *Version 3:* Includes soldering techniques, reactive circuits, microwave principles, multivibrators and sweep circuits, motors and servomechanisms, Doppler principles, synchros, pulse modulation, wave-guides and cavity resonators, and UHF and microwave oscillators.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in electrical laboratory (4/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in electrical laboratory (4/74). *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 4:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0491

Ground Radio Communications Equipment Repairman (Titan II)

Course Number: 3ABR30434-1.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS; 3380th Technical School, Keesler AFB, MS.

Length: 33–37 weeks (1020–1272 hours).

Exhibit Dates: 12/68–12/73.

Objectives: To train airmen to repair ground radio communications equipment.

Instruction: Lectures and practical exercises in electricity and electronics fundamentals and ground radio communications equipment repair, including DC and AC; resonance; magnetism; motors; synchros; diodes; transistors; electron tubes; operation, function, and basic mathematical relationships of power supplies, regulators, multivibrators, pulsed and blocking oscillators, AM, FM, and PM systems; binary and octal numbers; logic function; diagrams and circuits; truth tables; Boolean algebra; counters and storage devices; digital techniques; transmission lines and antennas; transmitters; wave-guides; cavity resonators; UHF and microwave oscillators and amplifiers; electrical test equipment; HF single-sideband transceivers; intercomplex radio communications system; surveillance system; launch enable system; and associated test equipment.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electrical laboratory (4/74).

AF-1715-0492

Avionic Communications Specialist

Course Number: 3ABR32830.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 29 weeks (870 hours).

Exhibit Dates: 4/72–12/73.

Objectives: To train airmen to maintain and repair specialized avionics communications equipment.

Instruction: Lectures and practical exercises in electricity and electronics fundamentals and in the maintenance and repair of specialized avionics communications equipment, including AC and DC; resonance; magnetism; motors; synchros; diodes; transistors; electron tubes; operation, function, and basic mathematical relationships of power supplies, regulators, multivibrators, pulsed and blocking oscillators, AM, FM, and PM systems; binary and octal numbers; logic functions; diagrams and circuits; truth tables; Boolean algebra; counters and storage devices; digital techniques; waveguides; cavity resonators; UHF and microwave oscillators and amplifiers; electrical test equipment; command, liaison, and interphone testing and adjustment; aircraft wiring; and communications systems components.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electrical laboratory, 3 as an elective in electronic communications (3/74).

AF-1715-0494

Radio Relay Equipment Repairman (EAME)

Course Number: ABR30430-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 31–32 weeks (840–870 hours).

Exhibit Dates: 6/65–12/68.

Objectives: To train airmen to repair radio relay equipment.

Instruction: Lectures and practical exercises in electricity and electronics fundamentals and the repair of radio relay equipment, including DC and AC, resonance, magnetism, motors, synchros, diodes, transistors, and electron tubes; operation, function, and basic mathematical relationships of power supplies, regulators, multivibrators, pulsed and blocking oscillators, AM, FM, and PM modulation and demodulation systems, binary and octal numbers; logic function; truth tables; Boolean algebra; logic diagrams and circuits; digital techniques; counters and storage devices; transmission lines and antennas; transmitters; waveguides; cavity resonators; VHF, UHF, and microwave oscillators and amplifiers; electrical test equipment; multiplexing; telephone and telegraph terminal principles; transportable radio relay equipment; and associated test equipment.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electrical laboratory, 4 in radio engineering (4/74).

AF-1715-0495

Ground Radio Communications Equipment Repairman (WS-133A/B)

Course Number: ABR30434-2.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 31 weeks (840 hours).

Exhibit Dates: 11/65–12/68.

Objectives: To train airmen to operate, install, test, adjust and align, maintain, and repair ground communications equipment.

Instruction: Lectures and practical exercises in electricity and electronics fundamentals and the operation, installation, inspection, testing, adjustment and alignment, maintenance, and repair of ground communications equipment, including DC and AC, resonance, magnetism, motors, synchros, diodes, transistors, and electron tubes, operation, function, and basic mathematical relationships of power supplies, regulators, multivibrators, pulsed and blocking oscillators, AM, FM, and PM modulation and demodulation systems; binary and octal numbers; Boolean algebra; logic function; diagrams and circuits; truth tables; counters and storage devices; digital techniques; transmission lines and antennas; transmitters; waveguides; cavity resonators; UHF and microwave oscillators and amplifiers; electrical test equipment; receivers and transceivers; single-sideband equipment; and associated test equipment.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electrical laboratory (4/74).

AF-1715-0496

1. Radio Relay Equipment Technician
2. Radio Relay Equipment Maintenance Technician

Course Number: AAR30470.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 40 weeks (1200 hours). *Version 2:* 39–44 weeks (1170–1320 hours).

Exhibit Dates: *Version 1:* 1/64–12/68. *Version 2:* 1/59–12/63.

Objectives: To train enlisted personnel to install, operate, and maintain microwave, multiplex, radio relay, antrac, and carrier repeater equipment.

Instruction: *All Versions:* Lectures and practical exercises in mathematics, basic and advanced circuits, AC and DC circuit analysis, FM transmitter and receiver principles, functional analysis of receiver circuits, carrier and multiplexing systems (with emphasis on frequency and time division multiplexing), carrier telephone and telegraph terminal principles, radio relay systems, power supplies, amplifiers, wave-shaping circuits, step counters, motors and generators, tropospheric scatter, transmitters and receivers, microwave transceivers, and antennas and transmission lines. *Version 3:* Instruction includes mathematics (simultaneous equations, exponents, and radicals), semiconductor theory, and logic gating and counting circuits.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in shop management (12/68). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in shop management (12/68).

AF-1715-0497

1. Avionics Officer (Fighter)
2. Avionics Officer (Fighter) (Armament Systems Officer (Fighter))

Course Number: *Version 1:* 3OBR3231A-1. *Version 2:* OBR3231A-1; OB3231A.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 27–30 weeks (800–900 hours). *Version 2:* 24–36 weeks (720–1080 hours).

Exhibit Dates: *Version 1:* 1/69–12/73. *Version 2:* 3/54–12/68.

Objectives: To train officers in fire control and weapon control systems operation and management principles.

Instruction: *All Versions:* Lectures and practical exercises in electronic principles, including mathematics through trigonometry and complex numbers, AC and DC fundamentals, Thevenin's and Norton's theorems, superposition thereom, Delta-Wye transformations, vacuum tubes, gas tubes, solid-state diodes, transistors, power supplies, amplifiers, oscillators, pulse and switching circuits, servomechanisms, amplitude modulation and detection, single-sideband principles, frequency modulation and detection, receiver and transmitter principles, antennas and transmission lines, resonant cavities, microwave oscillators, lasers, integrated circuits, operations and limitations of aircraft fire control and weapons systems, and principles of management. *Version 2:* Instruction includes power supplies and amplifiers, including rectifiers, filters, amplifier principles, feedback, and phase inversion; wave-shaping circuits, including oscillators, transient circuits, clippers, clampers, multivibrators, and computer circuits.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 12 semester hours in electronics (6/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in shop management (12/68), 3 in electricity or electronics (6/74), and credit in electrical laboratory on the basis of institutional evaluation (6/74).

AF-1715-0498

Ground Communications Equipment Repairman (VHF-UHF)

Course Number: AB30432B.

Location: *Version 1:* 3380th Technical School, Keesler AFB, MS. *Version 2:* 3310th Technical School, Scott AFB, IL.

Length: 20–23 weeks (600 hours).

Exhibit Dates: 7/55–12/68.

Objectives: To train enlisted personnel to tune, operate, and maintain selected ground radio communications equipment.

Instruction: Lectures, demonstrations, and laboratory experiences in the operation and maintenance of ground radio communications equipment. Course includes basic electricity, amplifiers, power supplies, receivers, transmitters, UHF and VHF systems, and direction-finding equipment.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electrical laboratory, 6 in electronics on the basis of institutional evaluation (6/74).

AF-1715-0499

GROUND COMMUNICATIONS EQUIPMENT REPAIRMAN (HEAVY) RECEIVERS

Course Number: *Version 1:* ABR30433B. *Version 2:* AB30433B.

Location: *Version 1:* 3380th Technical School, Keesler AFB, MS. *Version 2:* 3310th Technical School, Scott AFB, IL.

Length: *Version 1:* 28 weeks (750 hours). *Version 2:* 15 weeks (450 hours).

Exhibit Dates: *Version 1:* 8/58–12/68. *Version 2:* 7/55–7/58.

Objectives: To train airmen to install, maintain, repair, and operate large ground radio equipment at the apprentice level.

Instruction: *All Versions:* Lectures and practical exercises in the installation, maintenance, repair, and operation of large ground radio equipment, including analysis of specific radio, radio teletypewriter, and single-sideband receiving equipment; and testing procedures. *Version 1:* Includes electronics principles.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in electricity, 2 in electrical laboratory, and, on the basis of institutional evaluation, 3 in radio receivers (6/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in electrical laboratory, and 3 in radio receivers on the basis of institutional evaluation (6/74).

AF-1715-0500

ELECTRONICS SWITCHING SYSTEMS REPAIRMAN (490L OVERSEAS AUTOVON)

Course Number: 3ABR36232-1.

Location: School of Applied Aerospace Sciences, Sheppard AFB, TX; 3750th Technical School, Sheppard AFB, TX.

Length: 35–40 weeks (1140–1338 hours).

Exhibit Dates: 7/70–12/73.

Objectives: To train airmen to repair electronic switching systems including the AUTOVON communications system.

Instruction: Lectures and practical exercises in the repair of electronic switching systems and the AUTOVON communications system, including electronic principles through solid-state circuits, digital techniques, and switching techniques; applications of electronic switching to line, test, power and control subsystems; tracing system logic diagrams, wire diagrams and flow charts; and card punching, analysis of dial service assisting, trouble analysis, and maintenance procedures.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0501

NUCLEAR WEAPONS SPECIALIST

Course Number: *Version 1:* 3ABR46330. *Version 2:* 3ABR46330. *Version 3:* ABR46330; ABR33130A.

Location: *Version 1:* School of Applied Aerospace Sciences, Lowry AFB, CO. *All Versions:* 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 15–18 weeks (511–616 hours). *Version 2:* 24–25 weeks (708–718 hours). *Version 3:* 27–29 weeks (720–780 hours).

Exhibit Dates: *Version 1:* 3/72–12/73. *Version 2:* 8/68–2/72. *Version 3:* 3/61–7/68.

Objectives: To train airmen to inspect, assemble, maintain, repair, and modify nuclear weapons, warheads, related components, and test equipment.

Instruction: *All Versions:* Lectures and practical exercises in the inspection, assembly, maintenance, repair, and modification of nuclear weapons, warheads, related components, and test equipment, including fundamentals of electronics (AC and DC circuits, power supply and distribution, generators, motors, and semiconductors), test equipment, nuclear weapons principles and hazards, atomic reactions and health physics, explosives, and operation, testing and inspection of components of specific nuclear weapons. *Version 1.* Includes re-entry vehicles and service-developed equipment. *Version 2:* Includes re-entry vehicles and service-developed equipment. *Version 3:* Includes amplifiers, radar, transistors, and soldering techniques.

Credit Recommendation: *Version 1:* No credit because of the military nature of the course (6/74). *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0502

WEAPONS CONTROL SYSTEMS TECHNICIAN (MG-12 SYSTEMS)

Course Number: AA32271E-2.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 26 weeks (780 hours).

Exhibit Dates: 3/58–12/68.

Objectives: To train enlisted personnel to inspect, test, and troubleshoot weapon control systems and to supervise systems personnel.

Instruction: Lectures and practical exercises in the procedures for testing, adjusting, and troubleshooting assembly and disassembly of weapon systems. Course includes standard test equipment, intelligence gathering, antenna positioning, control computer, and fighter missile system.

Credit Recommendation: Credit is not reocmmended because of the limited specialized nature of the course (6/74).

AF-1715-0503

DEPOT OVERHAUL OF THE AN/ASH-4 LIGHT AND TIME RECORDER AND AN/UVM-1 TEST SET

Course Number: SS40250-25.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 4 weeks (160 hours).

Exhibit Dates: 3/58–12/68.

Objectives: To train enlisted personnel to maintain a light-and-time recorder.

Instruction: Lectures and practical exercises in the maintenance of a light-and-time recorder. Course includes identification and location of system components, functional operating principles, and troubleshooting procedures.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0504

FIELD AND ORGANIZATIONAL (F & O) MAINTENANCE OF THE AN/ASH-4 LIGHT AND TIME RECORDING SET

Course Number: SS40250-24.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 3 weeks (90 hours).

Exhibit Dates: 3/58–12/68.

Objectives: To train enlisted personnel to maintain and install light-and-time recorders.

Instruction: Lectures and practical exercises in the maintenance of a special light-and-time recorder. Course includes identification and location of system components, functional operating principles, troubleshooting, removal and replacement of components, minor repairs, and periodic inspection.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (6/74).

AF-1715-0505

ENGINE ANALYZER, SPERRY MAINTENANCE

Course Number: SS42350-50.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 4 weeks (120 hours).

Exhibit Dates: 4/58–12/68.

Objectives: To train enlisted personnel to maintain and operate engine analyzer systems.

Instruction: Lectures and practical exercises in the use and maintenance of various engine analyzer systems. Course includes location and installation of all engine analyzer components; review of electronic fundamentals; electronic circuits related to the engine analyzer circuits; and major analyzer troubleshooting.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0506

CONTROL SYSTEMS MECHANIC (SM-65, 68)

Course Number: ABR31230P.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 22 weeks (570 hours).

Exhibit Dates: 6/60–12/68.

Objectives: To train enlisted personnel to perform as apprentice control system mechanics.

Instruction: Lectures and practical exercises on control systems maintenance, including fundamentals of electricity, AC and DC fundamentals, circuits, and vacuum tubes; power supplies; basic guidance and control circuits; amplifiers; transistor principles and control circuits; SM-65 operating principles, control system operating principles, flight control system component identification, location and operation, component maintenance and GSE SM-65.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory for non-electronics majors (6/74).

AF-1715-0507

AIRBORNE ELECTRICAL SYSTEM TECHNICIAN (G-1136)

Course Number: 5AZK32873-2.

Location: Security Service School, Goodfellow AFB, TX.

Length: 4 weeks (142 hours).

Exhibit Dates: 11/71–12/73.

Objectives: To train personnel to maintain and repair the G-1186 long-range digital communications system.

Instruction: Lectures and practical exercises on the G-1186 long-range digital communications system, including AN/URC-53 long-range digital communications system; G-1186 long-range digital communications system evaluation, graduation, and processing; message contruction; operation of the digital communications airborne facility; technical characteristics of the G-1186; inspection, alignment, and check-out procedures; and trouble analysis of the function of the AN/URC-53 system.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (6/74).

AF-1715-0508

Guidance Systems Mechanic (SM-65, 68)

Course Number: ABR31130P-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 24 weeks (630 hours).

Exhibit Dates: 6/60-12/68.

Objectives: To train enlisted personnel to maintain and repair missile guidance systems.

Instruction: Lectures and practical exercises in the repair of guidance systems, including fundamentals of electricity; fundamentals of AC and DC circuits; vacuum tubes; transformers and synchros; power supplies; basic guidance and control circuits; amplifiers; transistor principles and logic circuitry; missile inspection and maintenance system; radio guidance circuits and components; microwave transmission; and modulation and detectors.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity and electronics, and credit in electrical laboratory on the basis of institutional evaluation (6/74).

AF-1715-0509

Airborne Electrical Systems Technician (AN/ARC-106)

Course Number: 5AZK32873-2.

Location: Security Service School, Goodfellow AFB, TX.

Length: 4 weeks (142 hours).

Exhibit Dates: 11/71-12/73.

Objectives: To train enlisted personnel to maintain specialized airborne digital communications systems.

Instruction: Lectures and laboratories in the maintenance of specialized airborne digital communications systems. Course includes the repair and operation of various components of the digital communications systems.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (6/74).

AF-1715-0510

1. Aircraft Electronic Navigation Equipment Technician
2. Aircraft Electronic Navigation Equipment Maintenance Technician

Course Number: *All Versions:* AAR30171B. *Version 2:* AAR30171; AA30171.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 43 weeks (1290 hours). *Version 2:* 19-41 weeks (570-1230 hours).

Exhibit Dates: *Version 1:* 12/63-12/68. *Version 2:* 4/55-11/63.

Objectives: To train career airmen to maintain, operate, and install aircraft electronic navigation equipment.

Instruction: *All Versions:* Lectures and practical exercises in the maintenance, operation, and installation of aircraft electronic navigation equipment, including principles of DC and AC circuits; RL and RC circuits, basic electronic principles; power supplies; oscillators, wave shaping; use of multimeter and oscilloscope; functional block-diagram analysis of transmitter, RF receiver, antenna, servo, and indicator systems; basic measuring devices and test equipment; principles of airborne instruments, radar, Doppler, beacon, and Loran systems; and applied technical mathematics. *Version 1:* Includes principles of electronic digital data processing.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in shop management, 3 in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (6/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in shop management, and credit in electrical laboratory on the basis of institutional evaluation (6/74).

AF-1715-0511

Integrated Avionic Systems Specialist

Course Number: 3ABR32632B.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL.

Length: 13-18 weeks (540-589 hours).

Exhibit Dates: 10/72-12/73.

Objectives: To train airmen to inspect, test, troubleshoot, and maintain flight control systems and integrated mechanical instruments.

Instruction: Lectures and practical exercises in the inspection, testing, troubleshooting, and maintenance of flight control systems and integrated mechanical instruments, including DC and AC principles, RLC circuits, synchros and bridge circuits, semiconductors, solid-state power supplies and amplifiers, bias stabilization, multistage amplifiers, avionics system maintenance, multimeters, use of oscilloscope, engine instruments, flight and navigational instruments, multivibrators, and introduction to logic functions, gates and truth tables.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0512

Special Training, AN/FPS-6 (Army)

Course Number: ATS30372-5.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 5-8 weeks (150-240 hours).

Exhibit Dates: 9/59-12/68.

Objectives: To train enlisted personnel to operate, tune, inspect, maintain, and repair the AN/FPS-6 radar set.

Instruction: Lectures and practical exercises in the operation, tuning, inspection, maintenance and repair of the AN/FPS radar set, including use of test equipment, block-diagram analyses of AN/FPS and similar radar sets, power distribution and trigger circuits, transmitting and RF system, receiving and antenna positioning system, indicating system, SAGE familiarization, and alignment, adjustment, and troubleshooting procedures.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (6/74).

AF-1715-0513

Ground SHORAN Equipment Repairman
(Automatic Tracking Radar Specialist (SHORAN))

Course Number: AB30333B.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 19-22 weeks (570 hours).

Exhibit Dates: 6/55-12/68.

Objectives: To train enlisted personnel to repair ground SHORAN equipment, including an introduction to circuit and vacuum tube electronic principles.

Instruction: Lectures and practical exercises in the repair and operation of ground SHORAN equipment. Topics include AC/DC circuits; parallel and series combinations; electron tubes, bridge circuits; magnetism; measuring instruments; transformers; RLC circuits; resonance; power supplies, vacuum tube electronic circuits, such as amplifiers and oscillators, trigger circuits, rectifiers, and oscillators, and application of circuit principles to operation and maintenance of a specific ground based radar set.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0514

Special Training, AN/FPS-24 (Field and Organizational)

Course Number: AXS30372-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 10 weeks (400 hours).

Exhibit Dates: 12/60-12/68.

Objectives: To train enlisted personnel to operate, inspect, and maintain a special radar set.

Instruction: Lectures and laboratories in the operation and maintenance of a special radar set. Course includes block diagram of overall system, power distribution, power amplifiers, RF system, antenna controls, receiver system, countermeasures equipment, control console, pulse compression system, and measurement procedures.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0515

Turret System Mechanic, B-36

Course Number: AB32330A.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 22 weeks (660 hours).

Exhibit Dates: 8/54-12/68.

Objectives: To train enlisted personnel to isolate system malfunctions, check and adjust turret system units, and complete maintenance and inspection records on the B-36 turret system.

Instruction: Lectures and laboratories in the maintenance and repair of turret systems. Topics include fundamentals of DC and AC circuits, vacuum and gas-filled tubes, power supplies, regulators, amplifiers, oscillators, limiting and clamping circuits, principles of oscilloscopes, receivers, radar, selsyns, turret drive system, thyratron controllers, and troubleshooting and test procedures.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (6/74).

AF-1715-0516

TITAN II COMMUNICATIONS EQUIPMENT (FIELD AND ORGANIZATIONAL)

Course Number: ATS30452-26.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 8 weeks (240 hours).

Exhibit Dates: 12/62-12/68.

Objectives: To train enlisted personnel to maintain Titan II communications equipment.

Instruction: Lectures and practical exercises in the maintenance of Titan II communications equipment. Topics include transistor principles, Boolean algebra and digital number systems, modulation and antenna principles, and measurements. Specifically applied to the Titan system are discussions and exercises on transceivers, repeaters, coaxial antennas, transmitters, multiplexing systems and recievers. Students use voltmeters, oscilloscopes, transistor testers, field strength meters, and multimeters.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (6/74).

AF-1715-0517

AIRCRAFT ELECTRONIC NAVIGATION EQUIPMENT REPAIRMAN (DOPPLER SUPPLEMENT)

(Aircraft Electronic Navigation Equipment Repairman (AN/APN-82 and AN/APN-89))

(Aircraft Electronic Navigation Equipment Repairman (AN/APN-82))

Course Number: AZR30151-1; AL30131C.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 12 weeks (360 hours).

Exhibit Dates: 5/56-12/68.

Objectives: To train airmen to install, inspect, maintain, and repair Doppler navigation radar systems.

Instruction: Lectures and practical exercises in the installation, inspection, maintenance, and repair of Doppler navigation radar systems, including specific Doppler equipment principles and applications, circuit theory, and components; navigational computer principles, mathematics, and data insertion; and troubleshooting techniques for the specific Doppler systems.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (6/74).

AF-1715-0518

WEATHER EQUIPMENT REFRESHER TRAINING

Course Number: ATS30270-18.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 12 weeks (360 hours).

Exhibit Dates: 3/60-12/68.

Objectives: To train enlisted personnel in the maintenance of current weather equipment and in electronic fundamentals.

Instruction: Lectures and practical exercises in the maintenance of current weather equipment and in electronic fundamentals. Topics include vacuum tube amplifiers, magnetic amplifiers, transistors, power supplies, filter circuits, specific radar sets, block-diagram analysis, and troubleshooting and maintenance procedures. The student also utilizes oscillators, receivers, waveshaping circuits, transmitters, and other related equipment.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0519

AN/FPS-17 OPERATION AND MONITORING

Course Number: AZR29250.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 5 weeks (200 hours).

Exhibit Dates: 7/61-12/68.

Objectives: To train enlisted personnel to operate and monitor a specialized ground radar system.

Instruction: Lectures and practical exercises in the operation and monitoring of a specialized ground radar system. Topics include the characteristics and operation sequence of coded-pulse radar, operational check-out, turn-on/turn-off procedures, transmitter, and the operation of receivers, antennas, and major system components.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (6/74).

AF-1715-0520

MECHANICAL INSTRUMENT TRAINER SPECIALIST

Course Number: AB34130.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 17 weeks (480 hours).

Exhibit Dates: 11/55-12/68.

Objectives: To train enlisted personnel to perform as apprentice instrument trainer repairmen.

Instruction: Lectures and practical exercises in the functions of mechanical instrument trainer specialists, including electrical principles, circuit analysis, electric motors and transformers, control and safety devices, circuit components, electron tubes, synchronous devices, oscillators, aerial navigation, aerodynamics, instruments, properties of solids and fluids, and use and care of hand tools and aircraft materials.

Credit Recommendation: In the upper-division baccalaureate category, credit in electricity and electrical laboratory on the basis of institutional evaluation (6/74).

AF-1715-0521

AIRBORNE ELECTRONIC NAVIGATION EQUIPMENT REPAIRMAN (SHORAN)

(Aircraft Electronic Navigation Equipment Repairman (SHORAN))

(Airborne SHORAN Equipment Repairman)

Course Number: AB30131B.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 27-30 weeks (810 hours).

Exhibit Dates: 8/55-12/68.

Objectives: To train airmen to operate, tune, align, inspect, maintain, and repair airborne electronic navigation (SHORAN) and related test equipment.

Instruction: Lectures and practical exercises in the operation, tuning, alignment, inspection, maintenance and repair of electronic navigation (SHORAN) and related test equipment, including fundamentals of DC and AC circuits and instruments, electron tubes and power supplies, amplifiers and oscillators (vacuum tube), receiver principles, sweep generators, multivibrators, radar microwave propagation, analysis of SHORAN navigational equipment, analysis of bombing position computer, and equipment installation.

Credit Recommendation: In the upper-division baccalaureate category, credit in electricity or electronics on the basis of institutional evaluation (6/74).

AF-1715-0522

SPECIAL TRAINING, AN/FPS-7 (FIELD AND ORGANIZATIONAL)

Course Number: ATS30372-21.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 12 weeks (360 hours).

Exhibit Dates: 3/60-12/68.

Objectives: To provide personnel with advanced training in the operation, inspection, and field and organizational maintenance of the AN/FPS-7 radar set.

Instruction: Lectures and practical exercises in the operation, inspection, and maintenance of the AN/FPS-7 radar set, including transmitter and RF system; functional block-diagram and circuit analysis of stalo, driver, and auto tune assemblies; propagation components, monitor group, antenna control cabinet, and radome pressurization; calibration and receiving system; functional block-diagram and circuit analysis of calibration cabinet, MTI system, anti-jam cabinet, and maintenance bench; and UPA-35.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (6/74).

AF-1715-0523

SPECIAL TRAINING, AN/FPS-26A (FIELD AND ORGANIZATIONAL)

Course Number: ATS30372-30.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 10 weeks (300 hours).

Exhibit Dates: 5/62-12/68.

Objectives: To train personnel in the operation, inspection, and field organizational maintenance of AN/FPS-26A radar sets.

Instruction: Lectures and practical exercises in the operation, inspection, and maintenance of the AN/FPS-26A radar set, including the transmitter, master oscillator and exciter, modulator driver and power amplifier, the receiver, automatic frequency control, i-f amplifiers, video amplifiers, combiners and selectors, performance monitors and radar display, transmitter performance monitor, range-height indicator, countermeasures and antenna equipment, and antenna and servos.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (6/74).

AF-1715-0524

GROUND COMMUNICATIONS EQUIPMENT REPAIRMAN (HF)

Course Number: AB30432A.

Location: *Version 1:* 3380th Technical School, Keesler AFB, MS. *Version 2:* 3310th Technical School, Scott AFB, IL.

Length: 24-27 weeks (720 hours).

Exhibit Dates: 7/55-12/68.

Objectives: To train enlisted personnel to tune, operate, adjust, maintain, and repair selected ground radio communications equipment.

Instruction: Lectures and practical exercises in the maintenance and repair of ground radio communications equipment. Course includes fundamental principles of electronic circuits and networks, power supplies, RF and AF amplifiers (with emphasis on vacuum tube circuits and antennas), and maintenance of receivers, transmitters, antennas, oscillators, and other ground equipment. Instruments used in the course include multimeters, signal generators, frequency meters, VTVM, tube testers, and oscillators.

Credit Recommendation: In the upper-division baccalaureate category, credit in electronics or electrical laboratory on the basis of institutional evaluation (6/74).

AF-1715-0525

Ground Communications Equipment Repairman (Heavy)

Course Number: ABR30433.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 32–34 weeks (870–930 hours).

Exhibit Dates: 7/59–12/68.

Objectives: To train airmen to install, maintain, and repair high-powered ground radio transmitters, receivers, and related equipment at the apprentice level.

Instruction: Lectures and practical exercises in the installation, maintenance, and repair of high-powered ground radio transmitters, receivers, and related equipment, including electrostatistics and AC and DC fundamentals, use of oscilloscope and basic instruments, vacuum tubes and transistors, special-purpose tubes, amplifiers and oscillators, special circuits, motors and servomechanisms, heavy communications transmitter analysis, single-sideband transmitter circuits, heavy communications and single-sideband receivers, principles of multiplexing, teletype converter analysis, and tropospheric scatter communications principles and techniques.

Credit Recommendation: In the upper-division baccalaureate category, credit in electricity or electronics, or electrical laboratory on the basis of institutional evaluation (6/74).

AF-1715-0526

1. Automatic Flight Control Systems Technician
2. Automatic Flight Control Systems Technician (Bomber/Tanker)
   (Flight Control/Autopilot Systems Repair Technician (Other))
3. Flight Control/Autopilot Systems Repair Technician

Course Number: *Version 1:* 3AAR32570. *Version 2:* AAR32570C; AAR42373C. *Version 3:* AAR42373.

Location: 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 15 weeks (450 hours). *Version 2:* 15–17 weeks (450–510 hours). *Version 3:* 15 weeks (450 hours).

Exhibit Dates: *Version 1:* 4/68–12/73. *Version 2:* 4/63–3/68. *Version 3:* 3/61–3/63.

Objectives: To train airmen as automatic flight control systems technicians.

Instruction: Lectures and practical exercises in the operation and maintenance of automatic flight control systems, including autopilot analysis, gyromagnetic compass, compass computer system, compass calibration, associated navigational equipment and principles, test equipment, electronic principles for circuit analysis, component location and inspection, and troubleshooting and calibration techniques.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (6/74). *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0527

Technical Engineering Analysis Team, WS-133B

Course Number: 3OZR2825-2.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL.

Length: 16–20 weeks (480–624 hours).

Exhibit Dates: 12/67–12/73.

Objectives: To train officers who possess a B.S. degree in electrical or electronics engineering to perform as technical analysis electronic engineers for WS-133B equipment.

Instruction: Lectures and practical exercises in the evaluation, operation, and troubleshooting of missile control and launch systems, including weapon system electronics, missile components, aerospace ground equipment, system analysis of a specific weapon system, logic-level signal flow, integrated system data flow, message processing, support systems, test equipment, removal and replacement of components, digital techniques, and communications.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (6/74).

AF-1715-0528

1. Aircraft Environmental Systems Repair Technician
2. Aircraft Environmental Systems Repair Technician
   (Mechanical Accessories and Equipment Repair Technician)

Course Number: *Version 1:* 3AAR42271. *Version 2:* AAR42271.

Location: 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 11 weeks (312 hours). *Version 2:* 9–12 weeks (270–372 hours).

Exhibit Dates: *Version 1:* 10/72–12/73. *Version 2:* 3/58–9/72.

Objectives: To train enlisted personnel to maintain and repair aircraft environmental systems and mechanical accessories and equipment.

Instruction: Lectures and laboratory in aircraft environmental systems and equipment repair, including basic electricity and electronics, aircraft systems theory, pressurization, air conditioning, electronic temperature control, use of oscilloscope and electronic test set, and system maintenance procedures.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (6/74). *Version 2:* In the upper-division baccalaureate category, credit in electricity and electrical laboratory on the basis of institutional evaluation (6/74).

AF-1715-0529

1. Electronic Warfare Officer
2. Electronic Warfare Officer
3. Electronic Warfare Officer (Navigator, ECM)

Course Number: *Version 1:* B-V7C-F. *Version 2:* 51-B-V7C-A. *Version 3:* 51-B-V7C-A; ZZ3021OZ; 157105; 157104.

Location: *All Versions:* Air Training Command, Mather AFB, CA. *Version 2 :* Air Training Command, Keesler AFB, MS. *Version 3 :* Air Training Command, Keesler AFB, MS.

Length: *Version 1:* 17–25 weeks (293–593 hours). *Version 2:* 28 weeks (687–699 hours). *Version 3:* 28–40 weeks (300–1088 hours).

Exhibit Dates: *Version 1:* 1/74–Present. *Version 2:* 7/70–12/73. *Version 3:* 7/57–6/70.

Objectives: To train officers to supervise the operation, maintenance, and repair of electronic systems.

Instruction: Lectures, laboratories, and discussion sessions in basic electricity and electronics, transmission and reception, radar systems, electronic countermeasures systems, audio analysis, electronic warfare systems, and simulation training.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 2 semester hours in electricity, 2 in electronics, 2 in electrical laboratory (6/75). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (6/74). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (6/74).

AF-1715-0530

Ground Communications Equipment Repairman (Heavy) Transmitters

Course Number: *Version 1:* ABR30433A. *Version 2:* AB30433A.

Location: *Version 1:* 3380th Technical School, Keesler AFB, MS. *Version 2:* 3310th Technical School, Scott AFB, IL.

Length: *Version 1:* 32 weeks (870 hours). *Version 2:* 18 weeks (540 hours).

Exhibit Dates: *Version 1:* 8/58–12/68. *Version 2:* 8/55–7/58.

Objectives: To train enlisted personnel to install, maintain, and repair high-powered ground radio transmitters.

Instruction: Lectures and practical exercises in high-powered ground radio transmitter installation, maintenance, and repair, including AC and DC circuits, Ohm's law, RLC circuits, parallel and series combinations, motors and generators, magnetism principles, measuring instruments, tetrode and pentode circuits, amplifiers, oscillators, superheterodyne procedures, video circuits, and electronics applied to specific transmitters.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (6/74). *Version 2:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (6/74).

AF-1715-0531

Instrument Trainer Specialist

Course Number: *Version 1:* 3ABR34131. *Version 2:* ABR34131.

Location: 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 29 weeks (870 hours). *Version 2:* 37 weeks (1020 hours).

Exhibit Dates: *Version 1:* 8/72–12/73. *Version 2:* 2/65–7/72.

Objectives: To train enlisted personnel to maintain, adjust, troubleshoot, and operate instrument trainers.

Instruction: *All Versions:* Lectures and practical exercises in aerodynamics and flight principles, role and use of basic flight instruments, navigation procedures, radio aids, trainer operation and instructor aids, use and maintenance of instrument trainers, and basic electronic principles, including AC and DC circuits, resonance, introduction to magnetism, AC and DC motors and synchros, electron tubes, power supplies, regulators, multivibrators, blocking oscillators, AM modulation and demodulation, transmission lines, antennas, transmitters, wave-guides, cavity resonators, UHF and microwave oscillators and amplifiers, use of the oscilloscope in circuit measurement. *Version 1:* Instruction includes diode and transistor circuits, digital techniques, binary and octal numbers, logic function, truth tables, Boolean algebra, logic diagrams, circuits, counters, and storage devices. *Version 2:* Instruction emphasizes flight instruction on instrument trainer, solid-state devices; tube-type audio, push-pull, and video amplifiers, servo and magnetic amplifiers, and all types of oscillators.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0532

1. Electronic Warfare Systems Specialist
   (Electronic Warfare Repairman)
2. Electronic Warfare Repairman

Course Number: *All Versions:* 3ABR32833; 3ABR30133. *Version 2:* ABR30133.

Location: *Version 1:* School of Applied Aerospace Sciences, Keesler AFB, MS. *All Versions:* 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 34-36 weeks (1020-1080 hours). *Version 2:* 38-39 weeks (1050-1080 hours).

Exhibit Dates: *Version 1:* 12/70-12/73. *Version 2:* 12/63-11/70.

Objectives: To train airmen to perform as electronic warfare systems specialists.

Instruction: *All Versions:* Lectures and practical exercises in electricity and electronics fundamentals and electronic warfare systems, or in the troubleshooting and repair of electronic warfare equipment, including AC and DC, magnetism; motors; resonators; diodes; transistors; tubes; AM; FM; synchros; power supplies; wave-guides; cavity resonators; UHF and microwave oscillators; multivibrators; pulsed and blocking oscillators; transmission lines and antennas; electrical test equipment, principles of electronic warfare, radar homing and warning equipment, panoramic receiver, and UHF and VHF countermeasures transmitters, introduction to pod-contained equipment; and hydraulically tuned transmitters. *Version 1:* Includes PM modulation and demodulation systems, binary and octal numbers, logic functions, diagrams and circuits, truth tables, Boolean algebra, counters and storage devices, digital techniques, and RF circuit analysis.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in electrical laboratory, and, for non-electronics majors, credit in electricity or electronics on the basis of institutional evaluation (6/74). *Version 2:* In the upper-division baccalaureate category, credit in electricity and electronics on the basis of institutional evaluation for non-electronics majors (6/74).

AF-1715-0533

Airborne Early Warning Radar Specialist Principles

Course Number: 3ABR32832.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 27 weeks (810 hours).

Exhibit Dates: 2/72-12/73.

Objectives: To train airmen to operate and maintain aircraft warning and control equipment.

Instruction: Lectures and practical exercises in electricity and electronics fundamentals and the operation and maintenance of aircraft warning and control avionics equipment, including DC and AC; resonance; magnetism; motors; synchros; diodes; transistors; electron tubes; operation, function, and basic mathematical relationships of power supplies, regulators, multivibrators, pulsed and blocking oscillators, AM, FM, and PM systems; binary and octal numbers; logic function; diagrams and circuits; truth tables; Boolean algebra; counters and storage devices; digital techniques; transmission lines and antennas; transmitters; wave-guides; cavity resonators; UHF and microwave oscillators and amplifiers; electrical test equipment; search radar; gyro reference and ground position indicator systems; computer logic; digital interfacing; digital measurements and application to IFF radar systems; and data processing and display groups and control panels.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electronics circuits and digital design, 2 in electronics laboratory, and credit in electronic or digital laboratory on the basis of institutional evaluation (6/74).

AF-1715-0534

Ground Radio Communications Equipment Repairman

Course Number: *Version 1:* 3ABR30434. *Version 2:* 3ABR30434; ABR30434. *Version 3:* ABR30434-4. *Version 4:* ABR30434.

Location: *Version 1:* School of Applied Aerospace Sciences, Keesler AFB, MS. *Version 2:* 3380th Technical School, Keesler AFB, MS. *Version 3:* 3380th Technical School, Keesler AFB, MS. *Version 4:* 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 29-30 weeks (900-968 hours). *Version 2:* 34-37 weeks (1020-1050 hours). *Version 3:* 25 weeks (750 hours). *Version 4:* 40 weeks (1050-1110 hours).

Exhibit Dates: *Version 1:* 6/72-12/73. *Version 2:* 4/66-5/72. *Version 3:* 4/65-3/66. *Version 4:* 5/63-3/65.

Objectives: To train airmen to operate, install, inspect, adjust and align, maintain, and repair ground radio communications equipment.

Instruction: *All Versions:* Lectures and practical exercises in electronics fundamentals and the operation, installation, inspection, adjustment and alignment, maintenance and repair of ground radio communications equipment, including microwave principles, amplifiers and oscillators, and motors; UHF communications and single-sideband transmitters and receivers, recorders; digital techniques, and electrical test equipment. *Version 1:* Includes VHF communications, high-frequency receivers; DC and AC; resonance; magnetism; synchros; diodes; transistors; electron tubes; operation, function, and basic mathematical relationships of power supplies, regulators, multivibrators, pulsed and blocking oscillators, AM, FM, and PM modulation and demodulation systems; binary and octal numbers; logic functions; truth tables; Boolean algebra; logic diagrams and circuits; counters and storage devices; transmission lines and antennas; wave-guides; and cavity resonators. *Version 2:* Includes VHF communications; DC and AC; resonance; magnetism; synchros; diodes; transistors; electron tubes; operation, function, and basic mathematical relationships of power supplies, regulators, multivibrators, pulsed and blocking oscillators, AM, FM, and PM modulation and demodulation systems; binary and octal numbers; logic functions; truth tables; Boolean algebra; logic diagrams and circuits; counter and storage devices; transmission lines and antennas; wave-guides; and cavity resonators. *Version 3:* Includes detection and discrimination, servomechanisms, multivibrators and sweep circuits, and communications systems. *Version 4:* Includes AC, DC, and reactive circuits; vacuum tubes and transistors; special-purpose tubes and solid-state devices; detection and discrimination, servomechanisms; and multichannel and auxiliary equipment.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 6 semester hours in basic electronics and communications circuits, 2 in electronics laboratory, and credit in basic electronics and communications circuits laboratory on the basis of institutional evaluation (6/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in electronics laboratory (6/74). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in electronics laboratory (6/74). *Version 4:* In the upper-division baccalaureate category, 2 semester hours in electronics laboratory (6/74).

AF-1715-0535

1. Weapons Control Systems Mechanic (F-4C/D; APQ-109/APA-165)
2. Weapons Control Systems Mechanic (F-4C/D; APQ-109/APA-165)
   (Weapons Control Systems Mechanic (F4, AMCS))
3. Weapons Control Systems Mechanic (F4, AMCS)
   (Weapons Control Systems Mechanic (AMCS-AERO-1A))

Course Number: *Version 1:* 3ABR32231P. *Version 2:* ABR32231P; 3ABR32231P. *Version 3:* ABR32231P; ABR32230P.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 27 weeks (798-916 hours). *Version 2:* 27-29 weeks (822 hours). *Version 3:* 35-37 weeks (960-1020 hours).

Exhibit Dates: *Version 1:* 1/71-12/73. *Version 2:* 8/66-12/70. *Version 3:* 7/63-7/66.

Objectives: To train airmen as weapon control systems mechanics.

Instruction: *All Versions:* Lectures and practical exercises in weapon control systems, including DC and AC fundamentals (algebra based), tubes, transistors, power supplies, amplifiers, oscillators, wave-shaping circuits, AM, FM, single-sideband, transmission lines and antennas, servomechanisms, cavity resonators, microwave principles, electrical test equipment; weapon control systems fundamentals; radar transmitting, receiving, antenna, and display systems; indicator control unit; radar and missile firing circuits; lead-computing optical sight systems; weapon release computing set; troubleshooting, repair, alignment, and replacement procedures; and system tie-in.

Version 3: Includes bombing computer and transistor review.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 9 semester hours in electricity or electronics, and credit in electrical laboratory and electronics on the basis of institutional evaluation (6/74). *Version 2:* In the upper-division baccalaureate category, 9 semester hours in electricity or electronics, and additional credit in electrical laboratory and electronics on the basis of institutional evaluation (6/74). *Version 3:* In the upper-division baccalaureate category, 10 semester hours in electricity or electronics, and additional credit in electronics on the basis of institutional evaluation (6/74).

AF-1715-0536

1. AVIONICS OFFICER (BOMBER)
2. AVIONICS OFFICER (BOMBER)
   (Armament Systems Officer, Bomber)

Course Number: *Version 1:* 3OBR3231B. *Version 2:* OB3231B; OBR3231B.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 27 weeks (810 hours). *Version 2:* 28-35 weeks (840-1050 hours).

Exhibit Dates: *Version 1:* 1/70-12/73. *Version 2:* 3/[illegible]4-12/69.

Objectives: To train officers to be avionics officers.

Instruction: *All Versions:* Lectures and practical exercises in electronic principles, including mathematics (trigonometry and complex numbers), AC and DC fundamentals, Thevenin's and Norton's theorems, superposition theorem, Delto-Wye transformations, vacuum tubes, gas tubes, solid-state diodes, transistors, power supplies, amplifiers, oscillators, pulse and switching circuits, servomechanisms, amplitude modulation and detection, receiver and transmitter principles, antennas and transmission lines, resonant cavities, microwave oscillators, lasers, and integrated circuits. *Version 1:* Instruction includes bomber avionics and armament systems, including basic bomb navigation system, ASQ-38 computers and radar, defensive fire control systems, FB-111 and USAF missiles, communications and navigation systems, electronic warfare, and Strategic Air Command maintenance management. *Version 2:* Instruction includes munitions and weapons, turret systems, introduction to K-series bomb-navigation system, A-1A computer, APS-23 radar set and interconnection equipment, and nuclear weapons.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 12 semester hours in electronics, and 3 as an elective in communications systems (6/74). *Version 2:* In the upper-division baccalaureate category, 12 semester hours in electronics (6/74), 2 in shop management (12/68), and 3 as an elective in electronic communications (6/74).

AF-1715-0537

AVIONICS AEROSPACE GROUND
EQUIPMENT SPECIALIST

Course Number: 3ABR32630.

Location: School of Applied Aerospace Sciences, Lowry AFB, CO; 3415th Technical School, Lowry AFB, CO.

Length: 32-47 weeks (960-1350 hours).

Exhibit Dates: 5/70-12/73.

Objectives: To train airmen to perform as avionics aerospace ground equipment specialists.

Instruction: Lectures and practical exercises in electronics fundamentals and the maintenance, inspection, troubleshooting, repair, adjustment, and installation of aerospace ground equipment, including DC and AC fundamentals (algebra based), tubes, transistors, power supplies, amplifiers, oscillators, wave-shaping circuits, AM, FM, single sideband, transmission lines and antennas, servomechanisms, cavity resonators, microwave principles, electrical test equipment, manual and semiautomatic test stations and equipment, maintenance management, computer operation, and remote control test stations.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in electronics, and additional credit in electronics on the basis of institutional evaluation (6/74).

AF-1715-0538

WEAPONS CONTROL SYSTEMS MECHANIC
(A-7D; AN/APQ-126)

Course Number: 3ABR32231S.

Location: *All Versions:* School of Applied Aerospace Sciences, Lowry AFB, CO. *Version 2:* 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 20 weeks (600 hours). *Version 2:* 20-23 weeks (600-690 hours).

Exhibit Dates: *Version 1:* 3/73-12/73. *Version 2:* 11/69-2/73.

Objectives: To train airmen as weapon control systems mechanics.

Instruction: *All Versions:* Lectures and practical exercises in weapon control systems, maintenance electronics, and electronics fundamentals, including DC and AC fundamentals, tubes, power supplies, transistors, amplifiers, oscillators, wave-shaping circuits, electrical test equipment, AM and FM; computer head-up display, and radar analysis and operation; and troubleshooting procedures. *Version 1:* Includes semiconductors; balanced modulation; analog and digital computer principles; multivibrators; digital circuits; principles of radar, infrared, and lasers; and system analysis procedures. *Version 2:* Includes single sideband, transmission lines and antennas, servomechanisms, cavity resonators, microwave principles, and digital logic and mathematics.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in electrical or electronics laboratory on the basis of institutional evaluation (6/74). *Version 2:* In the upper-division baccalaureate category, 6 semester hours in electronics, and additional credit in electronics on the basis of institutional evaluation (6/74).

AF-1715-0539

AUTOMATIC FLIGHT CONTROL SYSTEMS
SPECIALIST (B-58)
(Flight Control/Autopilot Systems Repairman (B-58))

Course Number: ABR32530B; ABR42333B.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 20-23 weeks (558-594 hours).

Exhibit Dates: 11/62-12/68.

Objectives: To train enlisted personnel to inspect, maintain, and repair the B-58 aircraft's automatic flight control, electronic compass, and air data computer systems.

Instruction: Lectures and practical exercises in basic electronics, including AC and DC circuits, motors, and synchros; introduction to magnetism; resonance; electron tubes, power supplies, regulators, multivibrators, blocking oscillators, UHF and microwave oscillators and amplifiers, transmission lines, antennas, transmitters, waveguides, cavity resonators, and solid-state devices; modulation and demodulation; use of the oscilloscope in circuit measurement; maintenance fundamentals, including aircraft familiarization, ground safety, technical order system, technical orders, supply catalogs, hand tools and hardware, elements of physics and mechanics, soldering, hydraulic principles, flight control applied to autopilots, and organization and function of a maintenance section; compass systems, including gyroscopic principles, celestial concepts, use of sight reduction tables and air almanac, J-4 compass system components, operational checks and adjustments, malfunction analysis, and earth coordinates. Emphasis on tube-type audio, push-pull, and video amplifiers; servo and magnetic amplifiers; and all types of oscillators.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0540

1. DEFENSIVE FIRE CONTROL SYSTEM MECHANIC (B-52H, ASG-21 TURRET)
2. DEFENSIVE FIRE CONTROL SYSTEMS MECHANIC (B-52H, ASG-21 TURRETS)
   (Defensive Fire Control Systems Mechanic (B-52H, B-58: MD-7, ASG-21 Turrets))
3. DEFENSIVE FIRE CONTROL SYSTEMS MECHANIC (MD-7, AN/ASG-21 TURRETS)

Course Number: *Version 1:* 3ABR32330E. *Version 2:* 3ABR32330E. *Version 3:* ABR32330E.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 27 weeks (810 hours). *Version 2:* 27-29 weeks (810 hours). *Version 3:* 36 weeks (990 hours).

Exhibit Dates: *Version 1:* 3/73-Present. *Version 2:* 7/68-2/73. *Version 3:* 4/63-6/68.

Objectives: To train airmen as defensive fire control systems mechanics.

Instruction: *All Versions:* Lectures and practical exercises in defensive fire control systems, including DC and AC fundamentals, tubes, power supplies, transistors, amplifiers, oscillators, wave-shaping circuits, AM, FM, electrical test equipment, fire control system modes data flow, transmitter and receiver, range acquisition and positioning loops and component circuits, power distribution, auxiliary equipment, maintenance ground equipment, and specific equipment operation and maintenance. *Version 1:* Includes semiconductors, computer principles (analog and digital), multivibrators, digital circuits, balanced modulation, system analysis procedures, principles of radar, and infrared and lasers. *Version 2:* Includes single sideband, transmission lines and antennas, servomechanisms, cavity resonators, and microwave principles. *Version 3:* Includes single sideband, transmission lines and antennas, servomechanisms, cavity resonators, and microwave principles.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in electricity or electronics on the basis of institutional evaluation (6/74). *Version 2:* In the upper-division baccalaureate category, 6 semester hours in electronics and additional credit in electronics on the basis of institutional evaluation (6/74). *Version 3:* In the upper-division baccalaureate category, 6 semester hours in electronics and additional credit in electronics on the basis of institutional evaluation (6/74).

AF-1715-0541

1. Automatic Flight Control Systems Specialist
   (Automatic Flight Control Systems Specialist (Tanker/Cargo/Utility/Bomber, Except B-58))
2. Automatic Flight Control Systems Specialist
   (Automatic Flight Control Systems Specialist (Other))

Course Number: *All Versions:* ABR32530. *Version 2:* ABR32530Z.

Location: 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 36 weeks (990 hours). *Version 2:* 30 weeks (810 hours).

Exhibit Dates: *Version 1:* 11/65-12/68. *Version 2:* 6/64-10/65.

Objectives: To train enlisted personnel to be automatic flight control systems specialists.

Instruction: Lectures and practical exercises in electronic principles, including AC and DC circuits, motors, and synchros; electron tubes, power supplies, regulators, multivibrators, blocking oscillators, transmission lines, antennas, transmitters, waveguides, cavity resonators, UHF and microwave, and solid-state devices, oscillators and amplifiers; use of the oscilloscope in circuit measurement; AM modulation and demodulation; and automatic flight control systems, including maintenance fundamentals, principles of electronic and mechanical units, magnetic compass systems and systems calibration, automatic astro compass principles, and heading/vertical reference principles. Emphasis is on tube-type audio, push-pull, and video amplifiers; servo and magnetic amplifiers; and all types of oscillators.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0542

1. Automatic Flight Control Systems Specialist (Bomber)
2. Flight Control/Autopilot Systems Repairman (Other)
3. Flight Control/Autopilot Systems Repairman
   (Autopilot/Compass Systems Repairman)

Course Number: *Version 1:* ABR32530C. *Version 2:* ABR42333C. *Version 3:* ABR42333.

Location: 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 30 weeks (810 hours). *Version 2:* 31-33 weeks (840-900 hours) *Version 3:* 18-20 weeks (510-570 hours).

Exhibit Dates: *Version 1:* 6/64-12/68. *Version 2:* 4/62-5/64. *Version 3:* 10/58-3/62.

Objectives: To train enlisted personnel to be automatic flight control systems specialists.

Instruction: Lectures and practical exercises in automatic flight control systems, including maintenance fundamentals, compass systems, automatic compass, navigational computer, inspections, testing devices, malfunction analysis, troubleshooting, and construction and operation of automatic flight control system components; electronic principles, including AC and DC circuits, motors, and synchros; electron tubes, power supplies, regulators, multivibrators, blocking oscillators, transmission lines, antennas, transmitters, wave-guides, cavity resonators, UHF and microwave oscillators and amplifiers, and solid-state devices, AM modulation and demodulation; use of the oscilloscope in circuit measurement. Emphasis is on tube-type audio, push-pull, and video amplifiers; servo and magnetic amplifiers; and all types of oscillators.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0543

1. Automatic Flight Control Systems Specialist (Fighters and B-58)
2. Automatic Flight Control Systems Specialist
   (Flight Control/Autopilot Systems Repairman)

Course Number: *Version 1:* 3ABR32530A; ABR32530A-1.

Location: *Version 1:* 3345th Technical School, Chanute AFB, IL. *Version 2:* 3320th Technical School, Amarillo AFB, TX.

Length: *Version 1:* 33 weeks (900 hours). *Version 2:* 28-30 weeks (750-810 hours).

Exhibit Dates: *Version 1:* 10/65-12/68. *Version 2:* 3/62-9/65.

Objectives: To train enlisted personnel to be automatic flight control systems specialists.

Instruction: *All Versions:* Lectures and practical exercises in flight control system maintenance, including motors and synchros, electron tubes, power supplies, regulators, multivibrators, blocking oscillators, transmission lines, antennas, transmitters, wave-guides, cavity resonators, and UHF and microwave oscillators and amplifiers; solid-state devices; resonance; AM modulation and demodulation; and use of the oscilloscope in circuit measurement. Emphasis is on types of oscillators. *Version 1:* Instruction includes maintenance fundamentals, electronic and mechanical units fundamentals. *Version 2:* Instruction includes principles of vacuum tubes and transistors, gryo and accelerometer principles, simple flight controls, basic aircraft systems, binary arithmetic, logic, technical

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0544

1. Navigation and Bombing Trainer Specialist (AN/APQ-T10)
2. Navigation and Bombing Trainer Specialist (AN/APQ-T10)
3. Navigation and Bombing Trainer Specialist
   (Navigation and Bombing Trainer Specialist (AN/APQ-T2A))

Course Number: *Version 1:* 3ABR34330-1. *Version 2:* ABR34330. *Version 3:* ABR34330A; AB34330A.

Location: *Version 1:* 3345th Technical School, Chanute AFB, IL. *All Versions:* 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 33-34 weeks (900-930 hours). *Version 2:* 35 weeks (960 hours). *Version 3:* 27-32 weeks (720-960 hours).

Exhibit Dates: *Version 1:* 9/65-12/73. *Version 2:* 10/63-8/65. *Version 3:* 5/56-9/63.

Objectives: To train enlisted personnel to be navigation and bombing trainer specialists.

Instruction: *All Versions:* Lectures and practical exercises in electronic fundamentals, including AC and DC circuits, motors and synchros, electron tubes, power supplies, regulators, multivibrators, blocking oscillators, transmission lines, antennas, transmitters, wave-guides, cavity resonators, and UHF and microwave oscillators and amplifiers; introduction to magnetism; resonance; and use of the oscilloscope in circuit measurement. *Version 1:* Instruction includes diode and transistor circuits, digital techniques, binary and octal numbers, logic functions, truth tables, Boolean algebra, logic diagrams, circuits, counters, and storage devices; T-10 fundamentals, test equipment, and servo systems; positioning and auxiliary circuits; light optic modification data production; and video simulation. *Version 2:* Instruction includes solid-state devices, with emphasis on tube-type audio, push-pull, and video amplifiers, servo and magnetic amplifiers, and all types of oscillators; vacuum tubes and solid-state devices; T-10 fundamentals; microwave operation; sweep and logic circuits; circuit analysis; and amplitude modulation and detection. *Version 3:* Instruction includes solid-state devices, with emphasis on tube-type audio, push-pull, and video amplifiers, servo and magnetic amplifiers, and all types of oscillators; T2A computers; T2A trainer fundamentals; vacuum tubes and power supplies; positioning simulation; auxiliary circuits; and system alignment.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0545

1. Aerospace Munitions Staff Officer
   (Aerospace Munitions Officer)
2. Aerospace Munitions Officer
3. Nuclear Weapons Officer
4. Nuclear Weapons Officer
5. Nuclear Weapons Officer
6. Atomic Weapons Officer

Course Number: *Version 1:* 3OBR4621A; 3OBR4621. *Version 2:* OBR4621; OB3271. *Version 3:* OBR3271. *Version 4:* OBR3271; OB3271. *Version 5:* OB3271. *Version 6:* OB3271.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 21 weeks (642-648 hours). *Version 2:* 23-24 weeks (690-732 hours). *Version 3:* 24 weeks (720 hours). *Version 4:* 26 weeks (780 hours). *Version 5:* 30 weeks (900 hours). *Version 6:* 30 weeks (900 hours).

Exhibit Dates: *Version 1:* 4/68-12/73. *Version 2:* 6/63-3/68. *Version 3:* 6/60-5/63. *Version 4:* 3/58-5/60. *Version 5:* 3/56-2/58. *Version 6:* 12/55-2/56.

Objectives: To train officers to manage nuclear weapons activities.

Instruction: *Version 1:* Lectures and practical exercises in the management of aerospace munitions activities, including electronics fundamentals, explosive airmunitions, chemical and biological airmunitions, introduction to nuclear weapons, missiles and rockets, and aerospace munitions maintenance, supply, storage and handling. *Version 2:* Lectures and practical exercises in the management of aerospace munitions activities, including electronics fundamentals, explosive airmunitions, chemical and biological airmunitions, introduction to nuclear weapons, missiles and rockets, and aerospace munitions maintenance, supply, storage and handling. Includes extensive treatment of DC and AC fundamentals and tubes and transistors as part of the electronics fundamentals instruction. *Version 3:* Lectures and practical exercises in electronic principles, including mathematics through trigonometry and complex numbers, AC and DC fundamentals, Thevenin's and Norton's theorems, superposition theorem, Delto-Wye transformations, vacuum tubes, gas tubes, solid-state diodes, transistors, power supplies, amplifiers, oscillators, pulse and switching circuits, servomechanisms, amplitude modulation and detection, single-sideband principles, antennas and transmission lines, resonant cavities, microwave oscillators, lasers, integrated circuits, and atomic weapons, warheads, and operating techniques. Instruction includes large- and small-diameter weapons, TN weapons, and guided missiles. *Version 4:* Lectures and practical exercises in electronic principles, including mathematics through trigonometry and complex numbers, AC and DC fundamentals, Thevenin's and Norton's theorems, superposition theorem, Delto-Wye transformations, vacuum tubes, gas tubes, solid-state diodes, transistors, power supplies, amplifiers, oscillators, pulse and switching circuits, servomechanisms, amplitude modulation and detection, single-sideband principles, antennas and transmission lines, resonant cavities, microwave oscillators, lasers, integrated circuits, and atomic weapons, warheads, and operating techniques. Instruction includes nuclear physics; radiological detection, inspection, and transfer; site and field procedures; nuclear safety and decontamination; and descripttion and operation of three types of nuclear weapons. *Version 5:* Lectures and practical exercises in electronic principles, including mathematics through trigonometry and complex numbers, AC and DC fundamentals, Thevenin's and Norton's theorems, superposition theorem, Delto-Wye transformations, vacuum tubes, gas tubes, solid-state diodes, transistors, power supplies, amplifiers, oscillators, pulse and switching circuits, servomechanisms, amplitude modulation and detection, single-sideband principles, antennas and transmission lines, resonant cavities, microwave oscillators, lasers, integrated circuits, and atomic weapons, warheads, and operating techniques. Instruction includes nuclear physics; radiological detection, inspection, and transfer; site and field procedures; nuclear safety and decontamination; and description and operation of three types of nuclear weapons. *15 6 Lectures and practical exercises in electronic principles, including mathematics through trigonometry and complex numbers, AC and DC fundamentals, Thevenin's and Norton's theorems, superposition theorem, Delto-Wye transformations, vacuum tubes, gas tubes, solid-state diodes, transistors, power supplies, amplifiers, oscillators, pulse and switching circuits, servomechanisms, amplitude modulation and detection, single-sideband principles, antennas and transmission lines, resonant cavities, microwave oscillators, lasers, integrated circuits, and atomic weapons, warheads, and operating techniques. Instruction includes description, operation, maintenance, and testing of Mk 39, Mk 28, Mk 43, and Mk 53, and weapons loading procedures.*

Credit Recommendation: *Version 1:* See explanatory note at the beginning of the Air Force section. *Version 2:* In the upper-division baccalaureate category, 3 semester hours in maintenance management (12/68). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in maintenance management (12/68), 12 in electronics (6/74). *Version 4:* In the upper-division baccalaureate category, 2 semester hours in maintenance management (12/68), 12 in electronics (6/74). *Version 5:* In the upper-division baccalaureate category, 12 semester hours in electronics (6/74). *Version 6:* In the upper-division baccalaureate category, 12 semester hours in electronics (6/74).

AF-1715-0546

1. Weapons Control Systems Mechanic (MG-10/13 Systems)
2. Weapons Control Systems Mechanic (MG-10/13 Systems)
3. Weapons Control Systems Mechanic (MG-10, 13 Systems) (Weapons Control Systems Mechanic (MG-3, 10, 13 Systems))
4. Weapons Control Systems Mechanic (MG-3, 10, 13 Systems)
5. Weapons Control Systems Mechanic (MG-3, 10, 13 Data Flow)
6. Weapons Control Systems Mechanic (MG-3/10 Data Flow)
7. Weapons Control Systems Mechanic (MG-3, MG-10, MG-13 Data Flow)

Course Number: *Version 1:* 3ABR32231F-5. *Version 2:* 3ABR32231F-5. *Version 3:* ABR32231F-5. *Version 4:* ABR32231F-5. *Version 5:* ABR32231F-5. *Version 6:* ABR32231F-1. *Version 7:* AB32231F.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 23-24 weeks (690-798 hours). *Version 2:* 24-26 weeks (690-750 hours). *Version 3:* 29-34 weeks (840-930 hours). *Version 4:* 29 weeks (780 hours). *Version 5:* 31-38 weeks (840-1050 hours). *Version 6:* 46 weeks (1290 hours). *Version 7:* 43 weeks (1200 hours).

Exhibit Dates: *Version 1:* 3/71-Present. *Version 2:* 1/68-2/71. *Version 3:* 4/63-12/67. *Version 4:* 5/62-3/63. *Version 5:* 10/60-4/62. *Version 6:* 10/59-9/60. *Version 7:* 8/57-9/59.

Objectives: To train airmen to perform as weapon control systems mechanics.

Instruction: *All Versions:* Lectures and practical exercises in electronics fundamentals and weapon control systems, including DC and AC fundamentals, power generation, vacuum tubes, oscilloscopes, target detection and radar ranging, flight sensing and antenna functions, steering and tracking, timing and firing, and alignment test equipment, and testing procedures for specific weapons control systems. *Version 1:* Includes transistors, amplifiers, wave-shaping circuits, AM, FM, single sideband, transmission lines and antennas, servomechanisms, cavity resonators, microwave principles, electrical test equipment, infrared subsystem functions, and armament control. *Version 2:* Includes transistors, amplifiers, wave-shaping circuits, AM, FM, single sideband, transmission lines and antennas, servomechanisms, cavity resonators, microwave principles, electrical test equipment, infrared subsystem functions, automatic flight control system and data link tie-in, and armament control. *Version 3:* Includes transistors, amplifiers, wave-shaping circuits, AM, FM, single sideband, transmission lines and antennas, servomechanisms, cavity resonators, microwave principles, electrical test equipment, infrared subsystem and armament control. *Version 4:* Includes reactive and special circuits, transistors, amplifiers, motors and servomechanisms, multivibrators and sweep and logic circuits, power distribution, microwave principles, missile auxiliary functions, and system tie-in. *Version 5:* Includes reactive and special circuits, transistors, amplifiers, motors and servomechanisms, multivibrators and sweep and logic circuits, power distribution, microwave principles, missile auxiliary functions, system tie-in and hand tools. *Version 6:* Includes reactive and special circuits, transistors, amplifiers, motors and servomechanisms, multivibrators and sweep and logic circuits, power distribution, microwave principles, automatic flight control system and data link missile servos, and general radar theory. *Version 7:* Includes electrical test equipment power distribution, automatic flight control system and data link, missile servos, and general radar theory.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 6 semester hours in electronics, and additional credit in electronics on the basis of institutional evaluation (6/74). *Version 2:* In the upper-division baccalaureate category, 6 semester hours in electronics, and additional credit in electronics on the basis of institutional evaluation (6/74). *Version 3:* In the upper-division baccalaureate category, 6 semester hours in electronics, and additional credit in electronics on the basis of institutional evaluation (4/74). *Version 4:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 5:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 6:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 7:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0547

AN/ALQ-T4 Field and Organizational (F & O) Maintenance

Course Number: ATS34251B-3.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 9 weeks (270 hours).

Exhibit Dates: 9/62-12/68.

Objectives: To train enlisted personnel to maintain a specific electronics warfare trainer at the field and organizational level.

Instruction: Lectures and laboratories in the operation, troubleshooting, and repair of a specific electronics warfare trainer. Topics include master scan generator, data flow, comparators, electronic countermeasures, and signal generation. Laboratory work on the trainer is required.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (6/74).

AF-1715-0548

Ground Radio Officer

Course Number: OB3031A.

Location: 3310th Technical School, Scott AFB, IL.

Length: *Version 1:* 13 weeks (390 hours). *Version 2:* 19 weeks (570 hours).

Exhibit Dates: *Version 1:* 12/56-12/68. *Version 2:* 2/54-11/56.

Objectives: To train officers who have taken college-level electronics and electricity courses and who have eighteen months experience in communications to command and manage the installation, maintenance, operation, and repair of radio communications equipment and systems.

Instruction: Lectures and practical exercises in the installation, maintenance, operation, and repair of radio communications equipment and systems, including basic electricity, hand-wired communications, AM and FM transmitters and receivers, radio teletypes, antenna systems, VHF radio relays, cryptographic activities, and specific radio communications equipment systems, including teletypes, telephones, telegraphs, facsimile and television.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 4 semester hours in electrical laboratory, and 3 in communications circuits on the basis of institutional evaluation (6/74). *Version 2:* In the upper-division baccalaureate category, 4 semester hours in electrical laboratory, and 5 in communications circuits on the basis of institutional evaluation (6/74).

AF-1715-0549

Advanced Microwave Measurements and Calibration

Course Number: 3AZR32470-11.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 5 weeks (150 hours).

Exhibit Dates: 4/71-12/73.

Objectives: To train enlisted personnel to maintain and calibrate microwave measuring equipment.

Instruction: Lectures and practical exercises in the calibration and maintenance of microwave measuring equipment at the advanced level. Course includes discussion of transmission line principles and parameters, distributed elements, Smith chart analysis, and detection techniques. Measurements are performed to determine VSWR, frequency, and impedance, together with an assessment of accuracy, loss characteristics, and system representations. Block-diagram analysis is also included, together with detailed instructions and equipment exercises for evaluating microwave circuit performance. All standard equipment (e.g., detectors, slotted lines, reflectometers, couplers, and other accessories) is used in this course.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in microwave techniques laboratory (6/74).

AF-1715-0550

Communications/Electronics Systems Staff Officer

Course Number: 3OAR3001.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 22 weeks (660 hours).

Exhibit Dates: 1/70-12/73.

Objectives: To train commissioned officers to formulate communications-electronics policies and procedures, to coordinate policy plans and operations, and to monitor and direct programs.

Instruction: Lectures and demonstrations in communications-electronics policies and procedures. Course includes wire communications and switching, multipiexors, ground radar, air traffic control systems, communications networks, and satellite systems.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in digital computer fundamentals, and 3 in communications circuits on the basis of institutional evaluation (6/74).

AF-1715-0551

1. Electronic Intelligence Operations Specialist
   (Electronic Emission Monitor/Analysis Specialist)
2. Electronic Emission Monitor/Analysis Specialist
   (Electronic Intercept Operations/Analysis Specialist)

Course Number: *Version 1:* 3ABR20530. *All Versions:* 3ABR29430. *Version 2:* ABR29430.

Location: *Version 1:* School of Applied Aerospace Sciences, Keesler AFB, MS. *Version 2:* 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 21 weeks (630 hours). *Version 2:* 24-25 weeks (630-750 hours).

Exhibit Dates: *Version 1:* 12/70-12/73. *Version 2:* 1/63-11/70.

Objectives: To train airmen as electronic emission monitor/analysis specialists.

Instruction: Lectures and practical exercises in electronic emission monitoring and analysis, including AC and DC circuits, vacuum tubes, semiconductor devices, radio fundamentals, radar principles, signal generation theory, signal generation and monitoring, receiver systems operation and procedures, mission data processing, and signal types and identification.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in electricity, 2 in electrical laboratory, and, on the basis of institutional evaluation, 3 in electronics and 3 in signal analysis (6/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in electricity, 2 in electrical laboratory, and, on the basis of institutional evaluation, 4 in electronics and 3 in signal analysis (6/74).

AF-1715-0552

Ground Communications Equipment (Relay Center)

Course Number: AB30433C.

Location: 3310th Technical School, Scott AFB, IL.

Length: 17-18 weeks (510 hours).

Exhibit Dates: 7/55-12/68.

Objectives: To train enlisted personnel in the operation, tuning, adjustment, and organizational maintenance and repair of radio relay equipment.

Instruction: Lectures and practical exercises in the operation of ground communications equipment. Course includes fundamentals of electricity; multiplex and singlesideband terminal equipment; and ground communications terminal equipment systems.

Credit Recommendation: In the upper-division baccalaureate category, credit in radio repair on the basis of institutional evaluation (12/68).

AF-1715-0553

Electronic Warfare Upgrade Training (B-58)
(B-58 Bomber Defense Officer)

Course Number: B-V7C-C; 157158.

Location: Air Training Command, Mather AFB, CA.

Length: 5-6 weeks (133-180 hours).

Exhibit Dates: 12/59-Present.

Objectives: To train electronic warfare officers as defensive systems operators on B-58 aircraft.

Instruction: Lectures and practical exercises in the operation of special aircraft defense systems, including B-58 engine, fuel, electrical, hydraulic/pneumatic, flight control, landing gear/pilot-static, egress, air conditioning, communications, navigation, antenna, and air-refueling systems; flight characteristics; tactics; fire control; warning receiver and countermeasures; and miscellaneous components and related communications and passive/active defense procedures.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-1715-0554

Electronic Intercept Operations Specialist (Interim)

Course Number: ABR29230-2.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 25 weeks (660 hours).

Exhibit Dates: 2/62-12/68.

Objectives: To train enlisted personnel in intercept techniques and principles, including communications principles, camera techniques, and system function.

Instruction: Lectures and laboratories in electronic intercept operations, including countermeasures receivers, pulse analyzers, traveling-wave tubes, antennas, photographic and oscillographic recorders, magnetic recording devices, record and log procedures, and the operation of various systems components.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity or electronics (6/74).

AF-1715-0555

Officers Ground Electronics Orientation

Course Number: XX3044.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 4 weeks (120 hours).

Exhibit Dates: 10/55-12/68.

Objectives: To familiarize officers with ground radar maintenance and maintenance management techniques.

Instruction: Lectures and practical exercises in ground electronics, including ground electronics and radar equipment maintenance; organization for national defense; personnel administration; and operational use of radar.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (6/74).

AF-1715-0556

Special Training, AN/FPS-27, Field and Organizational (F & O) Maintenance

Course Number: AXS30372-3.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 11 weeks (440 hours).

Exhibit Dates: 6/62-12/68.

Objectives: To train selected enlisted personnel to operate, inspect, and maintain a specific radar set.

Instruction: Lectures and practical exercises in functional block-diagram analysis, principles of operation, tests, adjustments, troubleshooting, and repair of the various radar components, and the use of pertinent test equipment. Topics include video processor, power distribution, frequency generator, transmitters, receivers, and antenna system.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0557

Weapons Control System Technician
(MG-3, MG-10 Radar)

Course Number: AA32271G-1.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 25 weeks (750 hours).

Exhibit Dates: 2/58–12/68.

Objectives: To train enlisted personnel to perform organizational maintenance on, troubleshoot, and repair components of specific weapons control systems.

Instruction: Lectures and laboratories in the technical aspects and operation of a weapons control system. Topics include oscilloscopes, meters, and special test equipment; operational maintenance of signal generators, dummy loads, and antenna test sets; basic block-diagram data flow of radar and computer functions; antenna positioning; missile servos; and armament systems tester.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0558

Weapons Control Systems Technician
(MG-3, MG-10 Computer
Controls)

Course Number: AA32271H-1.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 32 weeks (960 hours).

Exhibit Dates: 1/58–12/68.

Objectives: To train weapons control systems technicians to perform organizational maintenance, troubleshoot, and repair components of computer and controls for a specific weapons control system.

Instruction: Lectures and laboratories in the operation of weapons control systems. Topics include oscilloscopes, meters, impedance measuring devices, basic block-diagram data flow of radar and computer functions, power generation and distribution within the equipment, flight sensing functions, signal generators, coders and keyers, data link receivers, and automatic flight control systems.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0559

Reconnaissance Sensor Systems

Course Number: 3AZR20650-0.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 3 weeks (102 hours).

Exhibit Dates: 8/69–12/73.

Objectives: To familiarize enlisted personnel with the operation and components of data processing equipment, and the use of specialized display equipment.

Instruction: Lectures and practical exercises in the operation of reconnaissance sensor systems. Course includes identification of automatic data processing and intelligence data handling systems, training in reading numeric and binary codes, and discussion of DoD reference materials and acceptable formats for reporting and filing. Special exercises given in preparing imagery reports and using plotting equipment.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (6/74).

AF-1715-0560

Air Electronics Maintenance for
Armament Systems Officer

Course Number: OZR3054-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 6 weeks (180 hours).

Exhibit Dates: 1/61–12/68.

Objectives: To teach commissioned officers the basic technical knowledge necessary to supervise the operation and maintenance of aircraft electronic subsystems.

Instruction: Lectures and practical exercises in the maintenance and servicing of air electronics armament systems, with work in aircraft communications, navigation and countermeasures. Topics include communications receivers and transmitters, radio compasses, omnirange receivers, search-navigation radars, Doppler navigation radars, intercept receivers, direction finders, and jamming equipment.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0561

Ground Communications Equipment
Technician (TDDL)

(Ground Communications Equipment Technician (Light)(TDDL Equipment))

Course Number: AZR30474; AZR30472.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 10 weeks (300 hours).

Exhibit Dates: 8/62–12/68.

Objectives: To train personnel in the theory, operation, and maintenance of the AN/GKA-5(V) flight control group and the AN/FRT-49 amplifier.

Instruction: Lectures and practical exercises in the theory, operation, and maintenance of the AN/GKA-5(V) flight control group and AN/FRT-49 amplifier, including Boolean algebra and binary mathematics, transistor theory, circuit and logic analysis of all components, klystron theory, tuning and adjustment, preventive maintenance procedures, system maintenance, and operation and application of associated test equipment.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in digital engineering, logic design, or electronics laboratory (6/74).

AF-1715-0562

ECM Maintenance For Armament
Systems Officer

(Officers Airborne Electronics Orientation)

Course Number: OZR3054.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 4–6 weeks (120–180 hours).

Exhibit Dates: 10/55–12/68.

Objectives: To train officers to perform as ECM armament systems officers.

Instruction: Lectures and practical exercises in supervisory duties relating to the maintenance of aircraft electronic countermeasures systems, including passive ECM systems; and block-diagram and circuit analysis, installation, operational and performance checks, and alignment and troubleshooting of receivers, transmitters, and other ECM systems.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (12/68).

AF-1715-0563

Bomb Navigation System Technician
(K, MA-6A, MA-7A Series
Stabilization and Optics)

Course Number: AA32170B.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 22 weeks (660 hours).

Exhibit Dates: 3/57–12/68.

Objectives: To train enlisted personnel to operate and maintain specific bombing-navigation stabilization and optic units, to analyze malfunctions, and to disassemble and repair components.

Instruction: Lectures and practical exercises in the technical operation of a bomb navigation system. Topics include AC and DC fundamentals; principles of vacuum tubes, amplifiers, synchros, and gyroscopes; stabilization systems familiarization; and specialized optical system techniques.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0564

Basic Observer Electronic
Countermeasures

Course Number: ZZ302101.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 30 weeks (927 hours).

Exhibit Dates: 2/55–12/68.

Objectives: To train officers in electronic countermeasures techniques.

Instruction: Lectures and practical exercises in introductory electronic circuit theory and AC and DC fundamentals; transmitting and receiving techniques applied to specific circuits; electronic systems; search and analysis equipment operation; reconnaissance flights, jamming equipment operation and jamming flights.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (12/68).

AF-1715-0565

Weapons Control Systems Mechanic
(E-4, E-5, E-6 Systems)

(E-4, E-5 and E-6 Series Systems Mechanic)

Course Number: ABR32231D; AB32231D; AB32230D.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 34–38 weeks (1020–1140 hours).

Exhibit Dates: 5/54–12/68.

Objectives: To train airmen to perform as apprentice weapons control systems mechanics and to operate and maintain specific fire control systems.

Instruction: Lectures and practical exercises in weapons control systems and in the operation and maintenance of specific fire control systems, including DC and AC circuits; principles of electronic devices; special-purpose tubes; amplifiers and oscillators; motors and servomechanisms; multivibrators and sweep circuits; range-tracking, transmitter, receiver, indication, antenna-positioning, and computer sections; system tie-in and troubleshooting; and microwave principles.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0566

Weapons Control Systems Technician
(E-4, 5, 6 Systems)
(Weapons Control Systems Technician (E-4, E-5, E-6 Series))
(E-4, E-5, and E-6 Series System Technician)

Course Number: AAR32271D; AA32271D.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 14–18 weeks (420–540 hours).

Exhibit Dates: 4/54–12/68.

Objectives: To train airmen to inspect, troubleshoot, and repair specific fire and weapons control systems and associated standard and special test equipment.

Instruction: Lectures and practical exercises in the inspection, troubleshooting, and repair of specific fire and weapons control systems and associated standard and special test equipment, including power supplies; analysis of various components and systems of specific weapons control and test equipment; circuit analysis of range-tracking, transmitter, receiver, video presentation, antenna-positioning, and attack-display sections; computer analysis, including flight geometry; and radar and computer tie-in.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0567

1. Offensive Fire Control Systems Mechanic (MA-10, ASG-14 Systems)
2. Fire Control Systems Mechanic (MA-10, ASG-14 Systems)

Course Number: ABR32230M.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 28 weeks (840 hours). *Version 2:* 34 weeks (930 hours).

Exhibit Dates: *Version 1:* 7/62–12/68. *Version 2:* 6/59–6/62.

Objectives: To train basic airmen to perform as apprentice fire control system mechanics.

Instruction: *All Versions:* Lectures and practical exercises in fire control systems, including DC and AC circuits, reactive circuits, principles of vacuum tubes and transistors, amplifiers and oscillators, special circuits, microwave principles, multivibrators, sweep and logic circuits, radar transmitters, receiver and computer circuits, data link system, and system tie-in. *Version 2:* Includes motors and servomechanisms, special-purpose tubes, electronic countermeasure computer indicator, optical gunsight system, and infrared sight.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0568

1. Nuclear Weapons Specialist (Re-Entry Vehicle, LGM-30, Mk 11)
2. Nuclear Weapons Specialist (Re-Entry Vehicle) (LGM-30C, MK 11)

Course Number: ABR33130B-4.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 18 weeks (510 hours). *Version 2:* 24 weeks (630 hours).

Exhibit Dates: *Version 1:* 10/64–12/68. *Version 2:* 9/63–9/64.

Objectives: To train airmen to assemble and test re-entry vehicles.

Instruction: Lectures and practical exercises in the assembly and testing of re-entry vehicles associated with nuclear weapons, including AC and DC principles, semiconductor devices, nuclear weapons theory, weapons system orientation, test and handling equipment, circuit analysis, maintenance management, and aerospace ground equipment. Includes Boolean notation, digital techniques, and symbolic logic.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0570

Weapons Control Systems Technician
(E-9 System)

Course Number: AAR32271E-1.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 21–26 weeks (630–780 hours).

Exhibit Dates: 11/59–12/68.

Objectives: To train airmen as weapons control systems technicians.

Instruction: Lectures and practical exercises in the duties of weapons control systems technicians, including standard test equipment usage; signal data recorder; transmitting; target detection and radar ranging; antenna positioning; computer servo; timing; missile servo; flight sensing; missile power and parameter setting; armament control; and optical steering and tracking functions; system tie-in; and maintenance and troubleshooting.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0571

Air Surveillance (SAGE)

Course Number: AZR27370B-6.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 6–8 weeks (180–240 hours).

Exhibit Dates: 7/60–12/68.

Objectives: To train airmen as air surveillance technicians (SAGE).

Instruction: Lectures and practical exercises in the duties of air surveillance technicians (SAGE), including weapons familiarization, mapping, automatic tracking program, symbology, computer familiarization, and positional training.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (6/74).

AF-1715-0572

Weapons Direction (SAGE)

Course Number: AZR27370B-5.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 6–8 weeks (180–240 hours).

Exhibit Dates: 8/60–12/68.

Objectives: To train airmen to perform as senior weapons director technicians in SAGE weapons installations.

Instruction: Lectures and practical exercises in the duties of technicians in SAGE direction centers, including fundamentals of weapons direction, communications, computer training, automatic tracking, air tactics, transmission of surveillance and control data, specific weapons and positional equipment, and center operations.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (6/74).

AF-1715-0573

Flight Simulator Technician

Course Number: *Version 1:* 3AAR34270. *Version 2:* AAR34270. *Version 3:* AAR34270.

Location: 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 20 weeks (600 hours). *Version 2:* 21 weeks (630 hours). *Version 3:* 36 weeks (1080 hours).

Exhibit Dates: *Version 1:* 5/68–12/73. *Version 2:* 2/66–4/68. *Version 3:* 11/60–1/66.

Objectives: To train maintenance personnel to supervise flight simulator activities, system analysis, installation and repair of flight simulators.

Instruction: *All Versions:* Lectures and practical exercises in the supervision of flight simulator activities, system analysis, installation and repair of flight simulators, including DC and AC circuit analysis, amplifier fundamentals and circuitry, power supplies, flight systems computer analysis, synchro systems, and management procedures. *Version 1:* Includes solid-state theory and devices; analog principles; passive and active computing devices; servomechanisms; flight computations; digital computer fundamentals; computer timing; programming; storage; block, flow, and logic diagrams for central processor; and peripheral systems logic. *Version 2:* Includes solid-state theory and devices; analog principles; passive and active computing devices; servomechanisms; flight computations; digital computer fundamentals; computer timing; programming; storage; block, flow, and logic diagrams for central processor, peripheral systems logic; and parallel and serial computer analysis. *Version 3:* Includes troubleshooting procedures; landing gear, hydraulic, and fuel systems; mechanical devices; engine operation; specific equipment maintenance and inspection; basic and advanced flying procedures; radio aids; and aerodynamics.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours as an elective in electronics and computers (6/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (6/74). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (12/68).

AF-1715-0574

Weapons Control Systems Mechanic
(MG-13 Data Flow)
(Weapons Control Systems Mechanic (MG-3, MG-10 Data Flow))

Course Number: ALR32231F-2; ALR32231F-1.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 31 weeks (930 hours).

Exhibit Dates: 7/58–12/68.

Objectives: To train enlisted personnel to check, adjust, repair, inspect and isolate malfunctions of the computer and controls functions of a specific weapons control system.

Instruction: Lectures and practical exercises in the mechanics of a specific weapons control system. Topics include power generation and distribution, target detection, antenna positioning, transmitters, radar ranging, flight sensing, jump angle ballistics computer, attack steering, timing and firing, parameter setting, computer self-tests, data link, and tie-in techniques.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0575

Electrical Power Production System Maintenance (LGM-25)

Course Number: AZR54350.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 3 weeks (90 hours).

Exhibit Dates: 6/65–12/68.

Objectives: To train enlisted electrical power production specialists to operate and maintain a specific missile installation.

Instruction: Lectures and practical exercises in the operation and maintenance of a specific missile installation. Course includes operating procedures, servicing, inspection, adjustment, and maintenance of specific diesel engines and related systems, and inspection, maintenance, and troubleshooting of electrical generating, switchgear, and automatic power changeover equipment.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0576

Status Authentication Subsystem Maintenance, WS-133B

Course Number: 3AZR31672H; AZR31672H.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 5 weeks (150 hours).

Exhibit Dates: 8/67–12/68.

Objectives: To train enlisted personnel to operate and maintain a status authentication subsystem.

Instruction: Lectures and practical exercises in the operation and maintenance of a status authentication subsystem, including circuit analysis, component check-out, status authentication subsystem malfunction analysis and correction; cryptographic security procedures; safety; and use of technical orders and publications.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (6/74).

AF-1715-0577

Ground Radio Systems Supervisor/Technician

Course Number: 3AAR30400; AAR30490.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 46–48 weeks (1380 hours).

Exhibit Dates: 7/65–12/73.

Objectives: To train enlisted personnel as ground radio systems supervisor/technicians.

Instruction: Lectures and practical exercises in the duties of a ground radio systems supervisor/technician. Topics include applied mathematics, DC and AC circuits, vacuum tube and solid-state devices, electronic circuits, data processing, transmitters, receivers, management techniques, multiplex systems, SSB systems, UHF/VHF, ILS, omni-range systems, TACAN, digital theory, television, and missile communications systems.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in maintenance management (12/68).

AF-1715-0578

AN/ALQ-71/72 Field/Organizational (F/O) Maintenance

Course Number: 2ASR30153-3.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 3 weeks (90 hours).

Exhibit Dates: 4/68–12/73.

Objectives: To train enlisted personnel to perform duties as electronic warfare equipment repairmen.

Instruction: Lectures and practical exercises in the repair of electronic warfare equipment. Topics include transmitter principles, tuned-system characteristics, alignment and repair of voltage-tuned system, and application of electronic and hydraulic principles to automatically tuned system circuitry.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0579

Electrical Power Production Technician

Course Number: 3AAR54370; AAR54370.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 9 weeks (270 hours). *Version 2:* 9–10 weeks (270–300 hours).

Exhibit Dates: *Version 1:* 3/68–12/73. *Version 2:* 12/62–2/68.

Objectives: To train airmen to maintain diesel-driven generator sets, associated support equipment and control switchgear, or to maintain and operate electrical power generating equipment.

Instruction: *All Versions:* Lectures and practical exercises in the maintenance of diesel-driven generator sets, associated support equipment and control switchgear, or the maintenance and operation of electrical power generating equipment, including maintenance management, electrical switchgear arrangements and related wiring diagrams, engine construction and operating procedures, and diesel engine systems analyses. *Version 2:* Includes additional hours in maintenance management.

Credit Recommendation: *Version 1:* See explanatory note at the beginning of the Air Force section. *Version 2:* In the upper-division baccalaureate category, 2 semester hours in shop management (12/68).

AF-1715-0580

E-1 Series System Mechanic

Course Number: AB32230A.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 26 weeks (780 hours).

Exhibit Dates: 8/54–12/68.

Objectives: To train enlisted personnel to check, calibrate, harmonize, and maintain a specific rocket sight and radar set.

Instruction: Lectures and practical exercises in maintaining a specific rocket sight and radar set. Topics include electrical fundamentals, AC fundamentals, vacuum electronic devices, electronic circuits, use of oscilloscopes and specific electronic equipment. Course contains no material on solid-state devices.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0581

Tracking/Identification (SAGE)

Course Number: AZR27370B-7.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 6 weeks (180 hours).

Exhibit Dates: 4/61–12/68.

Objectives: To train enlisted personnel to perform duties as tracking supervisors or technicians.

Instruction: Lectures and practical exercises in the duties of a tracking supervisor/technician. The content of this course is very specific in nature and is oriented entirely towards the operation and characteristics of the SAGE system.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (6/74).

AF-1715-0582

SAGE System Maintenance Management Officer
(SAGE Maintenance Control Officer)

Course Number: OZR3016-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 11-15 weeks (330-450 hours).

Exhibit Dates: 3/61–12/68.

Objectives: To train officers to perform as SAGE maintenance management officers.

Instruction: Lectures and practical exercises in SAGE maintenance management, including digital computer operation and principles, basic programming, drum and display systems, SAGE inputs and outputs, maintenance procedures, quality control, and maintenance analysis and control.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0583

Control Systems Analyst (GAM-77)

Course Number: ABR31431B-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 23 weeks (600 hours).

Exhibit Dates: 11/59–12/68.

Objectives: To train enlisted personnel to analyze and maintain a control system.

Instruction: Lectures and practical exercises in the analysis and maintenance of a control system. Topics include basic applied mathematics, DC and AC circuit fundamentals, and electronic fundamentals, including coverage of transistors, electronic circuits, and material applicable to specific electronic equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0584

AN/APN-105/131 Doppler Maintenance

Course Number: AZR30151-3.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 15 weeks (450 hours).

Exhibit Dates: 12/61–12/68.

Objectives: To train enlisted personnel to operate, inspect, maintain, and repair a Doppler radar navigation system.

Instruction: Lectures and practical exercises in the operation and maintenance of Doppler radar navigation systems. Topics include Doppler principles and applications, principles of air navigation, semiconductor theory and application, principles of binary counting, specialized digital computer circuitry, functions, operational characteristics, circuit theory, calibration, tuning, alignment, preflight operational checks, minimum performance checks, troubleshooting, and the operation and organizational maintenance of specialized test benches and flight-line testers.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0583

Ground Communications Equipment Repairman, FPTS (Heavy)

Course Number: AZR30453-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 7 weeks (210 hours).

Exhibit Dates: 8/59–12/68.

Objectives: To train enlisted personnel to install, repair, and maintain forward propagation tropospheric scatter equipment.

Instruction: Lectures and practical exercises in the maintenance and repair of forward propagation tropospheric scatter equipment. Topics include multiplexing equipment, transmitting equipment, and system operational procedures. The content of this course is very specific in nature, and little general information is presented.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0586

Electrical Repair Technician (HH-53)

Course Number: 3AZR42370-0.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 2 weeks (60 hours).

Exhibit Dates: 4/72–12/73.

Objectives: To train enlisted personnel to perform as electrical repair technicians.

Instruction: Lectures and practical exercises in the maintenance of specific helicopter electrical systems. Course includes the identification, location, and function of helicopter electrical systems and components, and operational checks and troubleshooting of the electrical systems of a specific helicopter.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0587

Electronic Warfare Countermeasures Specialist
(Electronic Counter-Countermeasures Operator)
(ECCM Operator)

Course Number: ALR27332; AZR27370A-14.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 16 weeks (480 hours).

Exhibit Dates: 6/63–12/68.

Objectives: To train enlisted personnel to perform as console operators at radar sites and direction centers.

Instruction: Lectures and practical exercises to supplement the training of enlisted personnel in the duties of a console operator at radar sites and direction centers. Basic electronic principles and their application to basic radar systems, types of electronic and mechanical jamming, and electronic principles are discussed in detail, but no solid-state devices are included in the course.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity and electronics, and credit in electrical laboratory on the basis of institutional evaluation (6/74).

AF-1715-0588

1. Electronics Systems Officer
   (Ground Electronics Officer)
2. Ground Electronics Officer
3. Ground Electronics Officer
   (Ground Electronics Officer (ECCM))
   (Ground Electronics Officer (Electronics))

Course Number: *Version 1:* 3OBR3041. *Version 2:* OBR3041; OBR3041B; OBR3041A. *Version 3:* OB3041.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 38–41 weeks (1140-1230 hours). *Version 2:* 45–49 weeks (1350-1470 hours). *Version 3:* 47–51 weeks (1410-1530 hours).

Exhibit Dates: *Version 1:* 9/68–12/73. *Version 2:* 5/62–8/68. *Version 3:* 3/54–4/62.

Objectives: To train officers to perform as ground electronics officers.

Instruction: Lectures and practical exercises in the duties of ground electronics officers, including electronics fundamentals, electronic test equipment maintenance and application, supervisory procedures, maintenance of ground radar and associated equipment, receivers and transmitters, communications systems, solid-state devices, data processing and computer principles, identification systems, and specific equipment analysis.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in basic electronics, 3 in basic electronics laboratory (6/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in shop management (12/68), 3 in basic electronics (6/74), 3 in basic electronics laboratory (6/74). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in shop management (12/68), 3 in basic electronics laboratory (6/74), and 3 as an elective in basic electronics (6/74).

AF-1715-0589

Electrician, SM-80

Course Number: ALR54230G.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 5 weeks (150 hours).

Exhibit Dates: 12/62–12/68.

Objectives: To train personnel to perform as electricians.

Instruction: Lectures and practical exercises in the functions of electricians, including isolation of faults, removal of subunits, replacement of faulty units, check-out and repair of electric generating sets and distribution system components of the launch facilities and launch control facilities, troubleshooting and repair of launch facility electrical components, and the providing of back-up assistance.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0590

Nuclear Weapons Specialist (Re-Entry Vehicle SM-80—Mk 5)

Course Number: AZR33130B-3.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 6 weeks (180 hours).

Exhibit Dates: 4/63–12/68.

Objectives: To train airmen to perform as nuclear weapons specialists.

Instruction: Lectures and practical exercises in the duties of apprentice nuclear weapons specialists, including unpackaging, packaging, inspection, assembly, mating, unmating, troubleshooting, and repair of the SM-80 Mk 5 re-entry vehicle; nuclear safety; explosive safety and handling; maintenance and use of maintenance forms; systems documentation applicable to nuclear warheads and re-entry vehicles; simulator test set; re-entry vehicle orientation and operation; and re-entry vehicle test set, assembly, and check-out.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0591

Special Training, AN/URN-3A Maintenance Field and Organizational (F & O)

Course Number: ATS30451-2.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 4 weeks (120 hours).

Exhibit Dates: 10/62–12/68.

Objectives: To train personnel in the repair of the AN/URN-3A dual TACAN system.

Instruction: Lectures and practical exercises in the repair of the AN/URN-3A dual TACAN system, including system familiarization and function; arrangement of systems components; block-diagram and circuit analysis; isolation of equipment malfunctions to components, assemblies and subassemblies, and units; inspection, repair, testing, alignment and calibration of TACAN systems; and use of special and standard test equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0592

Fire Control Systems Technician (MA-10, ASG-14 System)

Course Number: AAR32270M.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 11 weeks (330 hours).

Exhibit Dates: 10/60–12/68.

Objectives: To train enlisted personnel to perform as fire control systems technicians.

Instruction: Lectures and practical exercises in the technical aspects of fire control systems. Topics include transistors; radar transmitters, receiver and computer circuits; indicators and test panel circuits; optical gunsight systems and infrared sight systems.

Credit Recommendation: In the upper-division baccalaureate category, credit in electronics and electrical laboratory on the basis of institutional evaluation (6/74).

AF-1715-0593

Nuclear Weapons Specialist

Course Number: AZR33130.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 15 weeks (450 hours).

Exhibit Dates: 3/61–12/68.

Objectives: To train enlisted personnel with previous technical training to perform as apprentice nuclear weapons specialists.

Instruction: Lectures and practical exercises on the functions of nuclear weapons specialists, including DC and AC; series and parallel resistance circuits; reactive circuits; series RC, RL and RCL circuits and series resistance; principles of vacuum tubes and transistors; amplifiers and radar; introduction to nuclear weapons; and weapon description and operation.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0594

WEAPONS MECHANIC, BOMBER

Course Number: AB46230A.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 17 weeks (480 hours).

Exhibit Dates: 12/57-12/68.

Objectives: To train enlisted personnel to perform as apprentice weapons mechanics on bomber aircraft.

Instruction: Lectures and practical exercises in weapons maintenance on bomber aircraft. Topics include electrical fundamentals, inspection and installation of aircraft weapons, small arms, launching racks, and shackles; maintenance of operational efficiency of aircraft weapons, small arms, and launching gear; repair and modification of aircraft weapons, gun mounts, small arms, launching racks, and shackles; and loading of munitions on aircraft.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0595

WEAPONS CONTROL SYSTEMS TECHNICIAN (MG-3, MG-10 DATA FLOW)

Course Number: AA32271F-1.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 29 weeks (870 hours).

Exhibit Dates: 4/58-12/68.

Objectives: To train enlisted personnel to troubleshoot and repair weapons control systems.

Instruction: Lectures and practical exercises in the technical aspects of weapons control systems. Topics include radar and servomechanism principles, target display and detection function, antenna-positioning and radar-ranging functions, missile servo and armament, attack steering, timing and firing, timed missile power and missile parameter, flight-sensing functions, data link, and automatic flight control system and damping system. Briefly covered in the course are the fundamentals of AC and DC circuits, power supplies, amplifiers, and wave-shaping circuits.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0596

WEAPONS MECHANIC, FIGHTER INTERCEPTOR

Course Number: AB46230C.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 13 weeks (360 hours).

Exhibit Dates: 11/57-12/68.

Objectives: To train enlisted personnel to perform as apprentice weapons mechanics on fighter interceptor aircraft.

Instruction: Lectures and practical exercises in weapons maintenance. Course includes a brief discussion of the fundamentals of electricity, as well as discussions on defense weapons, automatic guns, associated armament equipment, interceptor launching systems, and nuclear weapons.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0597

WEAPONS MECHANIC, FIGHTER BOMBER

Course Number: AB46230B.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 16 weeks (450 hours).

Exhibit Dates: 12/57-12/68.

Objectives: To train enlisted personnel to perform as mechanics of fighter-bomber aircraft.

Instruction: Lectures and practical exercises in the repair of fighter-bomber aircraft. Course includes installation and inspection of aircraft weapons, guided missiles, small arms, launching racks, shackles, warheads, and solid-propellent rockets; maintenance of operational efficiency of aircraft weapons, certain types of guided air missiles, small arms, and launching gear; repair and modification of aircraft weapons, gun mounts, small arms, launching racks, and shackles; and loading of munitions and guided missiles on aircraft.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0598

ELECTRONIC COMPUTER SYSTEMS REPAIRMAN (EDTCC/SACCS)

Course Number: 3ABR30534B.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 32 weeks (948 hours).

Exhibit Dates: 12/71-12/73.

Objectives: To train enlisted personnel to perform the duties of an electronic computer systems repairman.

Instruction: Lectures and practical exercises in the repair of electronic computer systems, including DC and AC circuits, RLC circuits, solid-state power supplies and amplifiers, wave generation, electron tubes, computer logic, computer components, computer systems, system operation and programming, core memories, drum systems, and input-output devices.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours as an elective in digital electronics (6/74).

AF-1715-0599

SPECIALIZED NAVIGATOR/ELECTRONIC WARFARE TRAINING

Course Number: B-V7C-S.

Location: Air Training Command, Mather AFB, CA.

Length: 12 weeks (334 hours).

Exhibit Dates: 9/67-12/68.

Objectives: To train enlisted personnel as electronic warfare officers.

Instruction: Lectures and practical exercises in the duties of a specialized navigator/electronic warfare officer. Topics include fundamentals of radar, basic and advanced audio analysis, reconnaissance systems, active systems, defensive systems analysis, and countermeasures application.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (6/74).

AF-1715-0600

TECHNICAL ENGINEERING ANALYSIS TEAM, WS-133A

Course Number: 3OZR2825-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 20 weeks (588 hours).

Exhibit Dates: 3/68-12/73.

Objectives: To train selected commissioned officers as engineers on technical engineering analysis teams.

Instruction: Lectures and practical exercises in maintaining and inspecting a specific electronic weapons system. Course includes check-out procedures, adjustment, and fault isolation; removal, replacement, and repair of missile components and aerospace ground equipment; logic-level signal flow; integrated system data flow; detailed system analysis of the weapon system; and an introduction to digital techniques.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0601

GUIDANCE SYSTEM MECHANIC (TM-61)

Course Number: AB31130A.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 25 weeks (750 hours).

Exhibit Dates: 8/55-12/68.

Objectives: To train enlisted personnel to install, operate, maintain, and inspect missile guidance systems and associated test equipment.

Instruction: Lectures and practical exercises in the maintenance, operation, and installation of missile guidance systems. Topics include fundamentals of electricity, fundamentals of alternating current, vacuum and gas-filled tubes, amplifiers, regulators, sweep generators, guidance system and base station circuits, and other missile guidance equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0602

AIRCRAFT ELECTRONIC NAVIGATION EQUIPMENT REPAIRMAN (TACAN SUPPLEMENT)

Course Number: *Version 1:* AZR30151-1. *Version 2:* AZR30151-2.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 3 weeks (90 hours). *Version 2:* 6 weeks (180 hours).

Exhibit Dates: *Version 1:* 9/65-12/68. *Version 2:* 11/59-8/65.

Objectives: To train personnel as aircraft electronic navigation equipment repairmen (TACAN supplement).

Instruction: Lectures and practical exercises on the inspection and maintenance of AN/ARN-21B airborne TACAN receiver-transmitter and associated test equipment and simulators, including circuit analysis; introduction to TACAN systems; block-diagram analysis, circuit analysis, bench testing, detailed signal analysis and adjustment of AN/ARN-21; alignment of AN/ARN-21 RF circuits; maintenance and troubleshooting techniques; and functional analysis, test procedures, and trouble analysis of beacon simulator HLI-103.

Credit Recommendation: *Version 1:* See explanatory note at the beginning of the Air Force section. *Version 2:* See explanatory note at the beginning of the Air Force section.

AF-1715-0603

NUCLEAR WEAPONS SPECIALIST (RE-ENTRY VEHICLE) (LGM-30C) (MK 11)

Course Number: AZR31130B-7.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 8 weeks (240 hours).
Exhibit Dates: 9/63–12/68.
Objectives: To train enlisted personnel to perform as apprentice nuclear weapons specialists.
Instruction: Lectures and practical exercises in the advanced skills and knowledge necessary for assignment to duty as apprentice nuclear weapons specialists. Course includes basic mathematics, solid-state electronics (basic digital techniques), and reentry vehicle specifics.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0604

Orientation AN/FSQ-7, AN/FSQ-8

Course Number: XX3016-1.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 6 weeks (180 hours).
Exhibit Dates: 8/57–12/68.
Objectives: To provide commissioned officers with familiarization training in SAGE computer systems.
Instruction: Lectures and practical exercises in the functions of SAGE computers. Course includes the SAGE system, basic computer theory, power supplies and marginal checking, maintenance and operation programs, and input and output systems.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (6/74).

AF-1715-0605

1. Aerospace Ground Equipment Repairman
2. Aerospace Ground Equipment Repairman
   (Aircraft Ground Equipment Repairman)
   (Aircraft and Missile Ground Support Equipment Repairman)
   (Ground Powered and Support Equipment Repairman)
3. Aerospace Ground Equipment Repairman
   (Aircraft Ground Equipment Repairman)
   (Aircraft and Missile Ground Support Equipment Repairman)
   (Ground Powered and Support Equipment Repairman)
4. Ground Powered and Support Equipment Repairman

Course Number: *Version 1:* 3ABR42133; ABR42133. *Version 2:* ABR42133; AB47230. *Version 4:* AB47230. *Version 3:* ABR42133; AB47230.
Location: *Version 1:* 3345th Technical School, Chanute AFB, IL. *Version 2:* 3345th Technical School, Chanute AFB, IL. *Version 3:* 3450th Technical School, Warren AFB, WY. *Version 4:* 3450th Technical School, Warren AFB, WY.
Length: *Version 1:* 18–20 weeks (540–570 hours). *Version 2:* 24–25 weeks (630–660 hours). *Version 3:* 24–25 weeks (630–660 hours). *Version 4:* 19 weeks (570 hours).
Exhibit Dates: *Version 1:* 6/67–12/73. *Version 2:* 8/57–5/67. *Version 3:* 8/57–5/67. *Version 4:* 2/55–7/57.
Objectives: To train aerospace ground equipment personnel to inspect, maintain, and repair aircraft ground equipment.
Instruction: *All Versions:* Lectures and practical exercises in aircraft ground equipment inspection, maintenance, and repair, including generators and motors, reciprocating engines, generator sets, air compressors, refrigerators, and heaters. *Version 1:* Instruction includes brief discussion of electrical fundamentals. *Version 2:* Instruction includes AC and DC circuits and electronic fundamentals. *Version 3:* Instruction includes AC and DC circuits and electronic fundamentals. *Version 4:* Instruction includes brief discussion of electrical fundamentals.
Credit Recommendation: *Version 1:* See explanatory note at the beginning of the Air Force section. *Version 2:* See explanatory note at the beginning of the Air Force section. *Version 3:* See explanatory note at the beginning of the Air Force section. *Version 4:* See explanatory note at the beginning of the Air Force section.

AF-1715-0606

Automatic Astro Compass TYPE MD-1 (Field and Organizational (F & O))

Course Number: SS42270-4.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 5 weeks (150 hours).
Exhibit Dates: 5/58–12/68.
Objectives: To train enlisted personnel to repair and perform organizational and field maintenance on automatic astro compass systems.
Instruction: Lectures and practical exercises in the repair and field maintenance of automatic astro compass systems. Topics include principles of celestial navigation, review of electronic fundamentals, true-heading and altitude-intercept modes of operation, and basic mathematics.
Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0607

AN/ALR-31 Receiver Field/Organizational (F/O) Maintenance

Course Number: ZASR30153-20.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 3 weeks (90 hours).
Exhibit Dates: 7/68–12/73.
Objectives: To train enlisted personnel to repair electronic warfare equipment.
Instruction: Lectures and practical exercises in the repair of electronic warfare equipment. Topics in the course include a cursory discussion of logic principles, system functional analysis, receiver assembly analysis, analysis of display, and system alignment and calibration techniques.
Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0608

Radio Inertial Ground Guidance Familiarization (SM-65D)

Course Number: OTS3044B-41.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 5 weeks (138 hours).
Exhibit Dates: 11/62–12/68.
Objectives: To train commissioned officers to handle troubleshooting concerns of a specific ground guidance system.
Instruction: Lectures and practical exercises in the operation of a specific ground guidance system. Course includes the rate, track, and computer subsystems and is limited in application to this specific ground guidance system.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (6/74).

AF-1715-0609

Integrated Avionics Component Specialists (Communication/Mission and Traffic Control and Penetration Aids)

Course Number: 3ABR32631B.
Location: 3415th Technical School, Lowry AFB, CO.
Length: *Version 1:* 27 weeks (798 hours). *Version 2:* 29–46 weeks (870–1320 hours).
Exhibit Dates: *Version 1:* 3/73–12/73. *Version 2:* 6/70–2/73.
Objectives: To train airmen as integrated avionics component specialists.
Instruction: Lectures and practical exercises in the maintenance, assembly, disassembly, and alignment of avionics communication and traffic control devices, including mathematics and electronics principles; block-diagram analysis of system pressurization, cooling, and closed cryogenic units, and of the HF and UHF communications, airborne transponder, instrument landing approach, tactical air navigation, countermeasures receiving, track breaker, and radar homing and warning systems; central air data computer; analysis of heterodyne and other modulation schemes; microwave equipment repair; servomechanisms and infrared sensing devices; and alignment and test procedures.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 1 semester hour in electrical laboratory (6/74). *Version 2:* In the upper-division baccalaureate category, 1 semester hour in electrical laboratory (6/74).

AF-1715-0610

1. Weapons Control Systems Mechanic (F-4E:APQ-120)
2. Weapons Control Systems Mechanic (F-4E:APQ-120)
   (Weapons Control Systems Mechanic (F-4E))

Course Number: 3ABR32231Q.
Location: 3415th Technical School, Lowry AFB, CO.
Length: *Version 1:* 29–31 weeks (882–912 hours). *Version 2:* 33 weeks (894 hours).
Exhibit Dates: *Version 1:* 8/70–12/73. *Version 2:* 8/68–7/70.
Objectives: To train airmen as weapon control system mechanics.
Instruction: Lectures and practical exercises in the duties of weapon control system mechanics, including weapons control system familiarization and system test equipment; data flow analysis of pulse transmitter and receiver sections, antenna and display systems, transmitter and radar computer functions, power distribution and missile-launching circuits, lead computing optical sight, and weapons release computer; and system tie-in, maintenance management, troubleshooting, and repair and alignment procedures.
Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in electronics, and additional credit in electronics on the basis of institutional evaluation (6/74).

AF-1715-0611

K-Series Stabilization and Optics Technician

Course Number: AA3217EB.

Location: 3415th Technical School, Lowry AFB, CO.
Length: *Version 1:* 22 weeks (660 hours). *Version 2:* 16 weeks (480 hours).
Exhibit Dates: *Version 1:* 4/55-12/68. *Version 2:* 2/54-3/55.
Objectives: To train experienced technicians to check, maintain, operate, and repair K-series stabilization and optics equipment; analyze malfunctions; and disassemble and repair components.
Instruction: Lectures and practical exercises on the operation, maintenance, and repair of K-series stabilization and optics equipment, including AC and DC fundamentals; principles of tubes, amplifiers, synchros and gyroscopes; fundamentals of the K-series bomb-navigation system, stabilization system, and test equipment; and Y-3 and Y-4 optical systems and coordinate converters.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (6/74). *Version 2:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (6/74).

AF-1715-0612

AN/GRA-111 Organizational/Intermediate (O/I) Maintenance

Course Number: 3AZR30451.
Location: School of Applied Aerospace Sciences, Keesler AFB, MS.
Length: 3 weeks (90 hours).
Exhibit Dates: 8/72-12/73.
Objectives: To train enlisted personnel in the operation, installation, inspection, testing, adjustment, calibration, circuit analysis, alignment, troubleshooting, and repair of AN/GRA-111 TACAN control monitor group.
Instruction: Lectures and practical exercises on AN/GRA-111 TACAN control monitor group, including system introduction and TACAN control-monitoring techniques; circuit analysis of solid-state digital monitoring circuits; circuit analysis of digital monitor divide, count and parameter limit detection circuits; circuit analysis and alignment of the transfer switching unit; alignment of monitor identification parameter testing, alarm, and radio set control; and system performance tests, troubleshooting and repair.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0613

AN/CPS-9 Radar Set Organizational/Intermediate (O/I) Maintenance

Course Number: 3AZR30270-1.
Location: School of Applied Aerospace Sciences, Chanute AFB, IL.
Length: 7 weeks (210 hours).
Exhibit Dates: 9/72-12/73.
Objectives: To train maintenance personnel who have previous technical experience to operate and maintain the AN/CPS-9 storm detection radar set.
Instruction: Lectures and practical exercises on the operation and maintenance of the AN/CPS-9 storm detection radar set, including functional description and technical characteristics; turn-on/turn-off procedures and operation; block analysis; circuit analysis; test equipment operation; preventive maintenance; troubleshooting; and installation.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0615

Intermediate and Organizational Maintenance, TSEC/KW-7

Course Number: 3AZR30650-7.
Location: 3275th Technical School, Lackland AFB, TX.
Length: 8 weeks (225 hours).
Exhibit Dates: 1/71-12/73.
Objectives: To train enlisted personnel to perform as cryptographers.
Instruction: Lectures and practical exercises in cryptography. Topics include timing circuits, send-and-receive phasing, send-and-receive extensing, cipher mode, and system maintenance.
Credit Recommendation: Insufficient data for evaluation (6/74).

AF-1715-0616

AN/FPS-27 Field and Organizational (F & O) Maintenance

Co[illegible] Number: 2ASR30372-60.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 11 weeks (336 hours).
Exhibit Dates: 8/68-12/73.
Objectives: To train enlisted personnel to maintain, repair, align, and calibrate specific radar sets.
Instruction: Lectures and practical exercises in the maintenance, repair, and calibration of specific radar sets. Course deals mainly with the identification of components of the radar set and block-diagram analysis of trigger circuits.
Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0617

Special Training On Radar Bombing Navigation System, AN/APQ-24A

Course Number: SS32171F-2.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 14 weeks (420 hours).
Exhibit Dates: 3/55-12/68.
Objectives: To train enlisted personnel to perform organizational and field maintenance on radar bombing navigation systems.
Instruction: Lectures and practical exercises in the maintenance of specific radar bombing navigation systems. Course includes functional analysis of various electronic devices such as the transmitter and receiver; line diagram study of oscillators, shapers, and other related equipment not involving solid-state devices; and functional analysis of tilt and rate servo drives; and familiarization with the associated mechanical and electronic hardware.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical laboratory on the basis of institutional evaluation (6/74).

AF-1715-0618

Tracking (SAGE)

Course Number: OZR1744B-1.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 8 weeks (240 hours).
Exhibit Dates: 8/60-12/68.
Objectives: To train officers to perform as tracking officers (SAGE).
Instruction: Lectures and practical exercises on the duties of tracking officers (SAGE), including SAGE organizational and functional concepts, communciations, symbology interpretation, equipment, and procedures for all positions within the tracking element; and background information on related sections in the direction center, communications network, and weapons employed by the SAGE system.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0619

Tracking (SAGE)

Course Number: AZR27330B-2.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 6-8 weeks (180-240 hours).
Exhibit Dates: 8/60-12/68.
Objectives: To train airmen to perform as track monitors and track initiators.
Instruction: Lectures and practical exercises in track monitoring and initiation, including SAGE organizational concepts, communications, symbology interpretation, positioning, equipment check-out procedures, and tracking functions and related procedures.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0620

Weapons Controller Training
(Interceptor Controller Training)

Course Number: 174100A; 174100; 164100.
Location: Air Training Command, Tyndall AFB, FL.
Length: 8-10 weeks (245-310 hours).
Exhibit Dates: 7/57-Present.
Objectives: To train enlisted personnel as basic weapons controllers in air defense and tactical air control units.
Instruction: Lectures and practical exercises in weapons control orientation and theory, basic weapons controlling procedures, beam and frontal intercept tactics, multiple interceptor tactics, tactic selection, live intercept proficiency, the air defense system, and GPA-37 radar familiarization.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (6/74).

AF-1715-0621

Primary-Basic Navigator Upgrading

Course Number: 153103.
Location: Air Training Command, Mather AFB, CA.
Length: 26 weeks (714 hours).
Exhibit Dates: 6/56-12/68.
Objectives: To provide previously rated navigators with training in aircraft observation electronics and navigation principles.
Instruction: Lectures and practical exercises in electronics and navigation required for aircraft observation duties, including navigation, Loran and radio principles, meteorology, electricity and magnetism, AC principles, vacuum tubes, radar systems and navigation, aircraft observation equipment, and basic avionics.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in navigation, provided that no credit has previously been awarded in this field (12/68).

AF-1715-0622

Aerospace Control and Warning Systems Operator

Course Number: 3ABR27630.
Location: School of Applied Aerospace Sciences, Keesler AFB, MS; 3380th Technical School, Keesler AFB, MS.
Length: 7-8 weeks (216 hours).
Exhibit Dates: 7/70-12/73.
Objectives: To train enlisted personnel to operate SAGE aerospace control and warning systems.
Instruction: Lectures and practical exercises in the duties and skills of an aerospace control and warning systems operator. Course includes radar operation, plotting, telling, track monitoring, and height finding.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0623

Aerospace Control and Warning System Operator (Manual)

Course Number: 3ABR27630-1.
Location: School of Applied Aerospace Sciences, Keesler AFB, MS; 3380th Technical School, Keesler AFB, MS.
Length: 4 weeks (120-144 hours).
Exhibit Dates: 8/72-12/73.
Objectives: To train enlisted personnel to operate SAGE aerospace control and warning systems.
Instruction: Lectures and practical exercises in the duties and skills of an aerospace control and warning systems operator. Course includes radar operation, plotting, telling, track monitoring, and height finding.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0624

N-1 and MD-1 Compasses, AN/AJA-1 Computer and A-14 Autopilot

Course Number: ATS42353-16.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 13 weeks (390 hours).
Exhibit Dates: 2/59-12/68.
Objectives: To train autopilot and compass system repairmen to perform organizational and field maintenance on the N-1 and MD-1 compasses, AN/AJA-1 computer, and A-14 autopilot.
Instruction: Lectures and practical exercises in the repair and maintenance of the N-1 and MD-1 compasses, AN/AJA-1 computer, and A-14 autopilot. Topics include components and tests; operation and malfunction analysis of computer group and components; review of electrical fundamentals; theory and operation of astrocompass and components; inspection, maintenance, and test procedures; autopilot operation and circuit analysis; and control system circuitry and malfunction analysis.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0625

Field and Organizational Maintenance, PB-10 Autopilot

Course Number: SS42350-13.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 5 weeks (150 hours).
Exhibit Dates: 3/58-12/68.
Objectives: To train selected enlisted personnel to perform field and organizational maintenance on the PB-10 autopilot.
Instruction: Lectures and practical exercises in the maintenance of the PB-10 autopilot. Course includes principles of operation, construction features, inspection and trouble analysis of the PB-10 autopilot, fluxgate compass system, and flight path computer.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0626

E-6 Autopilot and N-1 Compass

Course Number: SS42353-8.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 6 weeks (180 hours).
Exhibit Dates: 7/58-12/68.
Objectives: To train aircraft electrical repairmen and instrument repairmen to perform organizational and field maintenance on E-6 automatic pilots and N-1 compasses as installed on KB-50 and WB-50 aircraft.
Instruction: Lectures and practical exercises in the repair and maintenance of the E-6 automatic pilot as installed on the KB-50 and the WB-50 aircraft. Course includes aircraft familiarization, electrical and electronic theory, gyroscopic principles, aerodynamic principles, operation of the N-1 compass system, system malfunction analysis, unit familiarization, signal circuits, and operational checks.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0627

MC-1 Autopilot and N-1 Compass (KC-135)

Course Number: SS42350-43.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 7 weeks (210 hours).
Exhibit Dates: 7/58-12/68.
Objectives: To train aircraft electrical repairmen and instrument repairmen to perform organizational and field maintenance on MC-1 automatic pilots and N-1 compasses installed on KC-135 aircraft.
Instruction: Lectures and practical exercises in the repair and maintenance of MC-1 automatic pilots and N-1 compasses installed on KC-135 aircraft. Course includes electricity and electronics, gyroscopic principles, aerodynamic principles, unit familiarization and operation, malfunction analysis, power distribution and interlock system, signal circuit analysis, bench tester, and line analyzer operation.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0628

E-4 (A-12) Autopilot

Course Number: SS42353-7.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 4 weeks (120 hours).
Exhibit Dates: 7/58-12/68.
Objectives: To train aircraft electrical repairmen to perform organizational and field maintenance on E-4 (A-12) automatic pilots.
Instruction: Lectures and practical exercises in the repair and maintenance of E-4 (A-12) automatic pilots. Course includes aircraft familiarization, electricity and electronics, gyroscopic principles, autopilot component familiarization, power distribution, interlock circuits, control loops, operation techniques, and malfunction analysis.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0629

A-12D Autopilot

Course Number: ATS42353-5.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 4 weeks (120 hours).
Exhibit Dates: 8/58-12/68.
Objectives: To train aircraft electrical repairmen and instrument repairmen to perform organizational and field maintenance on the A-12D autopilot as installed on B-47 aircraft.
Instruction: Lectures and practical exercises in the repair and maintenance of the A-12D autopilot as installed on the B-47 aircraft. Course includes aircraft familiarization, review of electricity and electronics fundamentals, unit familiarization, power distribution, interlock circuitry, control loop circuitry, bench test, line analyzer utilization, and malfunction analysis.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0630

A-14 Autopilot and N-1, MD-1 Compasses

Course Number: SS42353-16.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 10 weeks (300 hours).
Exhibit Dates: 7/58-12/68.
Objectives: To train autopilot compass systems repairmen to perform organizational maintenance on the A-14 autopilot, N-1 compass, and MD-1 compass.
Instruction: Lectures and field exercises in the maintenance of A-14 autopilot, N-1 compass, and MD-1 compass. Course includes principles of navigation, review of electronics fundamentals, operation of astrocompass and components, system inspection and maintenance procedures, operational checks, test equipment, circuit analysis, malfunction diagnosis, and control circuits.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0631

Aircraft and Missile Ground Support Equipment Repairman (Ballistic Missiles)

Course Number: ABR42133-1.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 19 weeks (540 hours).
Exhibit Dates: 3/61-12/68.
Objectives: To train enlisted personnel in the duties of apprentice aircraft and missile ground support repairmen, and to provide the necessary background for progression to the senior level after a period of job experience.
Instruction: Lectures and practical exercises in the duties of apprentice aircraft and missile ground support repairmen. Course includes organization and function of a missile squadron, career field orientation, security, safety, missile familiarization, maintenance and inspection systems, tools, pneudraulic principles, electrical principles and circuit analysis, standard test equipment, air conditioning, compressors, air-cooled en-

gines, mobile handling equipment, special service equipment, and launchers and launch equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0632

Flight Facilities Equipment Repairman (ILS)

Course Number: *Version 1:* ABR30431B. *Version 2:* AB30431B.

Location: *Version 1:* 3380th Technical School, Keesler AFB, MS. *Version 2:* 3310th Technical School, Scott AFB, IL.

Length: *Version 1:* 28 weeks (750 hours). *Version 2:* 13-14 weeks (390-420 hours).

Exhibit Dates: *Version 1:* 8/58-12/68. *Version 2:* 8/55-7/58.

Objectives: To train personnel as flight facilities equipment repairmen.

Instruction: *All Versions:* Lectures and practical exercises on the duties of flight facilities equipment repairmen, including AC and DC circuits, generators, motors, instruments, diodes, rectifiers, triodes, special-purpose tubes, transistors, amplifiers, oscillators, modulation, detection, superheterodyne receivers, multivibrators, counters, discrimination, and application to the glide slope and localizer equipment. *Version 2:* Instruction includes only application to maintenance of glide slope and localizer equipment.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in electrical and electronics laboratory (6/74). *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0633

Missile Maintenance Officer (CTT) WS-133A-M Integrated

Course Number: 3OZR3124G-3.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL.

Length: 3 weeks (74 hours).

Exhibit Dates: 1/73-12/73.

Objectives: To train fully qualified target and alignment officers to perform as integrated target and alignment officers.

Instruction: Lectures and practical exercises in the duties of missile maintenance officers. Course includes instruction in the operation and maintenance of WS-133A-M integrated weapon systems; missile familiarization; launch control familiarization; control and monitor systems; and guidance and control system operation.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0634

Air Electronic Systems Supervisor/Technician

Course Number: *Version 1:* 3AAR30100. *Version 2:* 3AAR30100. *Version 3:* AAR30190.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 44 weeks (1320 hours). *Version 2:* 46 weeks (1320 hours). *Version 3:* 50 weeks (1440 hours).

Exhibit Dates: *Version 1:* 4/71-12/73. *Version 2:* 11/67-3/71. *Version 3:* 6/65-10/67.

Objectives: To train airmen to be air electronic systems supervisors or technicians.

Instruction: Lectures and practical exercises in advanced electronic principles; operational analysis of aircraft electronic systems; analysis and use of test equipment; maintenance data analysis for recognition and solution of maintenance problems; and supervision, administration, and management of maintenance activities.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in maintenance management (12/68), and 2 in electrical laboratory (6/74). *Version 2:* In the upper-division baccalaureate category, 1 semester hour in maintenance management (12/68), and 2 in electrical laboratory (6/74). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in maintenance management (12/68), and 2 in electricity or electronics (6/74).

AF-1715-0635

1. Defense Missile Guidance Mechanic—Falcon (AIM)
   (Defense Missile Guidance Mechanic (GARS))
   (Guidance Systems Mechanic (GARS))
   (Guidance Systems Mechanic (GAR-1/2/3))
2. Guidance Systems Mechanic (GAR-1)
3. Guidance Systems Mechanic (GAR-1)

Course Number: *Version 1:* ABR31131W; ABR31130E. *Version 2:* AB31130E. *Version 3:* AB31130E.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 25-30 weeks (660-810 hours). *Version 2:* 22 weeks (660 hours). *Version 3:* 20 weeks (570 hours).

Exhibit Dates: *Version 1:* 12/59-12/68. *Version 2:* 4/58-11/59. *Version 3:* 10/55-3/58.

Objectives: To train enlisted personnel to repair Falcon missile guidance systems.

Instruction: *All Versions:* Lectures and practical exercises in AC and DC circuit analysis, reactive elements, vacuum tubes and transistors, amplifiers and oscillators, missile hazard reporting, publications and maintenance management, block-diagram analysis, power supply functions, armament propulsion, missile assembly and disassembly, test and ground support equipment, nuclear safety, inspection procedures, and trouble analysis and repair. *Version 1:* Instruction includes AC and DC fundamentals, tubes, transistors, power supplies, regulators, amplifiers, oscillators, wave-shaping circuits, AM and FM, single sideband, transmission lines and antennas, servomechanisms, cavity resonators, hand tools operation, multimeters, oscilloscopes, and microwave principles.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 6 semester hours in electronics, and additional credit in electronics on the basis of institutional evaluation (3/74). *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0636

Missile Launch/Missile Officer (Atlas HGM-16F)
(Missile Launch/Missile Officer (SM-65F))

Course Number: OZR1821D; OZR3121D; OZR3121B-4; OZR1821B.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 8 weeks (240 hours).

Exhibit Dates: 10/61-12/68.

Objectives: To train commissioned officers to operate and maintain a specific weapons system.

Instruction: Lectures and practical exercises in the operation and maintenance of the 107A weapon system. Course includes organization and management of operations and maintenance activities; principles and operational analysis of Atlas HGM-16F subsystems; function of launch complex facilities; aerospace ground equipment; and the inspection and coordination of operations and maintenance activities.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0637

Missile Facilities Specialist

Course Number: 3ABR54130G.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL.

Length: 19 weeks (570-710 hours).

Exhibit Dates: 11/72-12/73.

Objectives: To train enlisted personnel in the duties of missile facilities specialists.

Instruction: Lectures and practical exercises in the duties of missile facilities specialists. Course includes principles of electricity, pneudraulics, and hydraulics; operation, inspection, and maintenance of missile facilities, hydraulic and pneudraulic systems, water and sewage systems, air conditioning and cooling systems, electrical power generation systems, and power distribution systems; use of tools and technical publications; and safety and security procedures.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical and mechanical laboratory (6/74).

AF-1715-0638

Missile Officer (TM-76B)
(Missile Maintenance Officer (TM-76B))

Course Number: OBR3121H; OBR3121B-2.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 27 weeks (810 hours).

Exhibit Dates: 12/60-12/68.

Objectives: To train commissioned officers to maintain missile guidance systems.

Instruction: Lectures and practical exercises in the maintenance of guided missile systems. Course includes basic electricity, motors and generators, control systems, power supplies, amplifiers and oscillators, servomechanisms, inertial guidance fundamentals, and test equipment.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical laboratory (6/74).

AF-1715-0639

Nuclear Weapons Specialist (Re-Entry Vehicles)
(Weapons Fuzing System Specialist (Re-Entry Vehicles))

Course Number: ABR33130B.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 14-18 weeks (390-510 hours).

Exhibit Dates: 12/60-12/68.

Objectives: To train enlisted personnel as nuclear weapons specialists.

Instruction: Lectures and practical exercises in basic mathematics, basic AC and DC circuits, electron theory, linear circuit elements, motors and generators, electron tube devices, nose cone operation, re-entry vehicle mating and demating, hand tools operation, assembly and disassembly procedures, test equipment, test set operation, and troubleshooting procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0640

Nuclear Weapons Specialist (Re-Entry Vehicle) (HGM-16F)
(Nuclear Weapons Specialist (Re-Entry Vehicle) (SM-68B))
(Nuclear Weapons Specialist) (Re-Entry Vehicle) (SM-65E))
(Nuclear Weapons Specialist (Re-Entry Vehicle) (SM-65F))

Course Number: AZR33130B-1; AZR33130B-6; AZR33010B-2.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 6–8 weeks (180–240 hours).

Exhibit Dates: 6/61–12/68.

Objectives: To train enlisted personnel to inspect, assemble, troubleshoot, and repair various nuclear weapons re-entry vehicles.

Instruction: Lectures and practical exercises in nuclear re-entry vehicle inspection, assembly, troubleshooting, and repair, including data flow, circuit analysis, prelaunch monitoring equipment repair, electrical test equipment, re-entry vehicle assembly and launch site functions, re-entry vehicle subassemblies construction features and design characteristics, arming and fuzing subsystem, separation and attitude control subsystem, warhead, decoy subsystem, propellant hazards and precautions, and decontamination and spacer removal.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (12/68).

AF-1715-0641

1. Missile Electronic Equipment Specialist (CGM-13B, TEMS)
2. Missile Electronic Equipment Specialist (CGM-13B, TEMS)
3. Tactical Missile Checkout Equipment Repairman (CGM-13B(TEMS))
(Tactical Missile Checkout Equipment Repairman (MACE MGM-13C/TEMS))
(Tactical Missile Checkout Equipment Repairman (TM-76B, TEMS))

Course Number: *Version 1:* 3ALR31652N. *Version 2:* ALR31652N. *Version 3:* ALR31434N.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 27 weeks (876 hours). *Version 2:* 31 weeks (930 hours). *Version 3:* 18 weeks (540 hours).

Exhibit Dates: *Version 1:* 6/68–Present. *Version 2:* 7/66–5/68. *Version 3:* 9/61–6/66.

Objectives: To train maintenance personnel to operate, maintain, and repair specific missile electronic test equipment.

Instruction: Lectures and practical exercises in missile electronic test equipment operation and maintenance, including electronic circuit analysis, flight controls and inertial guidance system, maintenance and launch areas aerospace ground equipment, verification and calibration, test equipment maintenance set, and specialized electronics.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 1 semester hour in electrical laboratory (6/74). *Version 2:* In the upper-division baccalaureate category, 1 semester hour in electrical laboratory (6/74). *Version 3:* In the upper-division baccalaureate category, 1 semester hour in electrical laboratory (6/74).

AF-1715-0642

Missile Specialist (TM-61C)
(Missile Mechanic (TM-61A/C))

Course Number: ABR43330A.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 17 weeks (480 hours).

Exhibit Dates: 9/58–12/68.

Objectives: To train personnel as missile specialists.

Instruction: Lectures and practical exercises in the duties of missile specialists, including fundamentals of guided missiles; missile structures and materials; aerodynamics, mechanics, and basic physics; propulsion system; fuels, oxidizers, and lubricants; 60-kw generator and engine console; missile systems; systems assembly and disassembly; power plant and missile check-out; launch procedures; missile transfer; and countdown.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in mechanical (fluids) laboratory (6/74).

AF-1715-0643

Defense Missile Control Mechanic/Technician, IM-99B

Course Number: ATS31152K-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 16 weeks (480 hours).

Exhibit Dates: 7/61–12/68.

Objectives: To train personnel as defense missile control mechanics and technicians.

Instruction: Lectures and practical exercises in the duties of defense missile control mechanics and technicians, including flight control systems malfunction isolation, removal and replacement of defective flight control systems components, flight control systems check-out, and operation of associated aerospace ground equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0644

Missile Mechanic (Ballistic)

Course Number: ABR43330-5.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 19 weeks (540 hours).

Exhibit Dates: 2/61–12/68.

Objectives: To train enlisted personnel to perform as apprentice missile mechanics.

Instruction: Lectures and practical exercises in the duties of apprentice missile mechanics. Course includes basic electricity, AC and DC circuits, motors and generators, wiring diagrams, inverters, and electrical malfunction analysis.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0645

Guidance Control Officer (SM-65)

Course Number: OZR3044-5; OTS3044-2.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 17 weeks (510 hours).

Exhibit Dates: 12/60–12/68.

Objectives: To train commissioned officers to operate a guidance system console, and to analyze missile subsystems data flow, countdown and missile flight profiles.

Instruction: Lectures and practical exercises in the operation of missile guidance control systems. Course includes an introduction to guidance systems and special circuits, AN/GSQ-33 computer and associated equipment, rate transmitter and receiver group, rate data and check-out equipment, track transmitter group, track receiver and antenna system, and track data and check-out equipment.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (6/74).

AF-1715-0646

1. Tactical Missile Checkout Equipment Repairman (MGM-13B(TEMS))
(Tactical Missile Checkout Equipment Repairman (TM/76A/TEMS))
2. Tactical Missile Checkout Equipment Repairman (TM-76A/TEMS)
(Missile Test Equipment Specialist (TM-76A))

Course Number: *All Versions:* ALR31434M. *Version 2:* ALR31530F.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 23 weeks (690 hours). *Version 2:* 18 weeks (540 hours).

Exhibit Dates: *Version 1:* 2/63–12/68. *Version 2:* 9/61–1/63.

Objectives: To train airmen to perform as tactical missile check-out equipment repairmen.

Instruction: *Version 1:* Lectures and practical exercises in tactical missile check-out equipment repair, including MGM-13B weapon system, specialized electronics, calibration test equipment, flight control system and check-out equipment, flight controls check-out equipment calibration, guidance system and its check-out equipment calibration, missile preflight tester calibration, and launch area check-out equipment. *Version 2:* Lectures and practical exercises on the function of missile test equipment specialist, including TM-76A weapon system, calibration van, basic missile checker calibration, guidance system test set and calibration, missile preflight tester and calibration, and FCT and RFT calibration.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 1 semester hour in electrical laboratory for non-electrical engineering majors (6/74). *Version 2:* In the upper-division baccalaureate category, 1 semester hour in electrical laboratory for non-electrical engineering majors (6/74).

AF-1715-0647

1. Missile Officer (TM-76A)
2. Guided Missile Maintenance Officer (TM-76A)

Course Number: *Version 1:* OBR3121G. *Version 2:* OBR3121B-1.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 27 weeks (810 hours). *Version 2:* 25 weeks (750 hours).

Exhibit Dates: *Version 1:* 5/61–12/68. *Version 2:* 12/60–4/61.

Objectives: To train officers to perform as guided missile maintenance officers (TM-76A).

Instruction: *Version 1:* Lectures and practical exercises in the functions of guided missile maintenance officers, including air weapons management; fundamentals of electricity and alternating current; vacuum tubes and amplifiers; oscillators and wave shaping; weapon, propulsion, flight control, and guidance systems; missile preflight test pack; support area operations; and nuclear weapons orientation. *Version 2:* Lectures and practical exercises in the functions of missile officers, including maintenance management; electricity; electron tubes; amplifiers; wave forming; transmission; radar; missile equipment; power plant, flight controls, guidance systems; system recycle vehicle; missile launch pack; and nuclear weapons orientation.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in electricity and electronics (6/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in electricity and electronics (6/74).

AF-1715-0648

1. Guidance Systems Officer (Surface-to-Surface) (TM-61C)
2. Guidance Systems Officer
   (Pilotless Aircraft Guidance and Control Officer)

Course Number: *Version 1:* OB3221C-1. *Version 2:* OB3221.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 32 weeks (960 hours). *Version 2:* 26–28 weeks (780–840 hours).

Exhibit Dates: *Version 1:* 8/57–12/68. *Version 2:* 4/54–7/57.

Objectives: To train officers to perform as guidance systems officers.

Instruction: *Version 1:* Lectures and practical exercises on the functions of guidance systems officers, including air armament management, fundamentals of electricity, alternating current, oscillators and principles of receiving and transmission, radar system components, modern guided missiles and the MARC guidance system, ground station guidance, and airborne controls and guidance equipment. *Version 2:* Lectures and practical exercises on the function of guidance systems officers, including alternating current principles; oscilloscope analysis; radar system components; ATRAN, Command, and Mark guidance systems; ground station guidance; airborne shanicle guidance; B-61A controls system and check-out; voltage regulators; and superheterodyne receiver and sweep generator. *Version 3:* Lectures and practical exercises on the function of pilotless aircraft guidance and control officers, including fundamentals of electricity and alternating current; vacuum and gas-filled tubes, power supplies, and voltage regulators; radar system components, transmission, and fundamentals tie-in; ATRAN and MARC guidance systems; ground station and airborne shanicle guidance; and B-61A command guidance system.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in radio and electronics (6/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in radio and electronics (6/74).

AF-1715-0649

1. Missile Systems Maintenance Specialist (AGM-28)
   (Missile Guidance and Control Specialist (AGM-28))
2. Missile Systems Maintenance Specialist (AGM-28)
   (Missile Guidance and Control Specialist (AGM-28A/B))
3. Air Launch Missile Guidance Mechanic (AGM-28A/B)
4. Air Launch Guidance Mechanic (AGM-28A/B)
   (AGM Guidance Mechanic (AGM-28A/B))
   (GAM Guidance Mechanic, GAM-77)

Course Number: *Version 1:* 3ABR31631Q. *Version 2:* 3ABR31631Q; ABR31631Q; ABR31531Q. *Version 3:* ABR31531Q. *Version 4:* ABR31531Q.

Location: 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 30 weeks (1144 hours). *Version 2:* 30–36 weeks (900–990 hours). *Version 3:* 42–44 weeks (1170–1230 hours). *Version 4:* 33 weeks (900 hours).

Exhibit Dates: *Version 1:* 6/73–12/73. *Version 2:* 11/66–5/73. *Version 3:* 12/62–10/66. *Version 4:* 10/61–11/62.

Objectives: To train technicians to operate and maintain the AGM-22 missile guidance system.

Instruction: *All Versions:* Lectures and practical exercises in AC and DC circuits, resonance, introduction to magnetism, AC and DC motors and synchros, electron tubes, power supplies, regulators, multivibrators, blocking oscillators, AM modulation and demodulation, transmission lines, antennas, transmitters, wave-guides, cavity resonators, UHF and microwave oscillators and amplifiers, use of the oscilloscope in circuit measurement, and operation, maintenance, alignment, troubleshooting, and repair of AGM-22 missile guidance system and associated equipment. *Version 1:* Instruction includes diode and transistor circuits, digital techniques, binary and octal numbers, logic functions, truth tables, Boolean algebra, logic diagrams, circuits, counters, and storage devices, flight control systems, computer test set, verdan digital computer, and autonavigation component test set operation, alignment and calibration. *Version 2:* Instruction includes solid-state devices (emphasis on tube-type audio, push-pull, and video amplifiers), servo and magnetic amplifiers, oscillators, missile familiarization, bench test equipment, flight control package circuitry and check-out, computer test set, verdan digital computer, and guidance system and test set certification. *Version 3:* Instruction includes solid-state devices (emphasis on tube-type audio, push-pull, and video amplifiers), servo and magnetic amplifiers, oscillators, package check-out, guidance component theory and system check-out, autonavigator component test set, special test equipment, computer test set, and printed circuit card tester. *Version 4:* Instruction includes guidance system familiarization, computer logic expressions and circuitry, verdan computer, digital computer control panel, and application of optical equipment.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 1 semester hour as a technical elective in electrical laboratory for non-electrical engineering majors (6/74). *Version 2:* In the upper-division baccalaureate category, 1 semester hour as an technical elective in electrical laboratory for non-electrical engineering majors (6/74). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in electrical laboratory (6/74). *Version 4:* In the upper-division baccalaureate category, 1 semester hour in electrical laboratory (6/74).

AF-1715-0650

1. Defense Missile Guidance Technician (GAR-1/2/11)
   (Guidance Systems Technician (GAR-1/2/11))
   (Guidance Systems Technician (GAR-1/2))
   (Guidance Systems Technician (GAR-1))
2. Guidance Systems Technician (GAR-1)

Course Number: *All Versions:* AAR31171W. *Version 1:* AAR31170E; AA31170E. *Version 2:* AL31130E.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 13–18 weeks (390–540 hours). *Version 2:* 26 weeks (780 hours).

Exhibit Dates: *Version 1:* 9/57–12/68. *Version 2:* 10/55–8/62.

Objectives: To train enlisted personnel to test and maintain the GAR-1 missile guidance system.

Instruction: Lectures and practical exercises in GAR-1 missile guidance system testing and maintenance, including radar circuitry, vacuum tubes, hydraulic systems, block-diagram analysis, signal-flow analysis, guidance unit theory of operation, malfunction procedures and exercises, and electronic fundamentals.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 1 semester hour in electronics laboratory (6/74). *Version 2:* In the upper-division baccalaureate category, 1 semester hour in electronics laboratory (6/74).

AF-1715-0651

Missile Launch/Missile Officer (ATLAS PGM-16E)
(Missile Launch/Missile Officer (SM-65E))

Course Number: OZR1821C; OZR3121C; OZR1821B; OZR3121B-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 7 weeks (210 hours).

Exhibit Dates: 12/62–12/68.

Objectives: To train officers to operate and maintain the 107A weapon system (Atlas).

Instruction: Lectures and practical exercises in the operation and maintenance of the 107A weapon system (Atlas), including principles of Atlas subsystems; launch complex facilities; associated aerospace ground equipment; operational analysis of electrical power production and distribution; and electrical propulsion, autopilot, guidance, and hydraulics systems.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical laboratory (6/74).

AF-1715-0652

Missile Facilities Specialist/Technician SM-68B

Course Number: ATC54150F-3; ATS54150F-4.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 14 weeks (420 hours).

Exhibit Dates: 11/61–12/68.

Objectives: To train airmen as SM-68B missile facilities specialists and technicians.

Instruction: Lectures and practical exercises in SM-68B missile facilities, including facility water and waste, air conditioning, electrical, and pneudraulic systems; launch monitoring; electrical power generation and distribution; propellant transfer; systems integration and maintenance; and facility communication systems.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0653

INSTRUMENT TRAINER SPECIALIST (C-11)
(Electronic Instrument Trainer Specialist (C-11 Type))

Course Number: ABR34131A; AB34141A.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 30–34 weeks (810–930 hours).
Exhibit Dates: 12/54–12/68.
Objectives: To train maintenance technicians to service electronic equipment.
Instruction: Lectures and practical exercises in electronic equipment servicing, including aerodynamics and flight principles, electrical and electronic principles, use of electronic measuring instruments, circuit analysis and troubleshooting procedures, engine systems, and radio aids.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (6/74).

AF-1715-0654

MISSILE TEST EQUIPMENT TECHNICIAN/SPECIALIST (LAUNCH CONTROL SYSTEMS) (SM-65F)

Course Number: ATS31570P-16.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 15 weeks (450 hours).
Exhibit Dates: 5/61–12/68.
Objectives: To train selected enlisted personnel to maintain missile test equipment.
Instruction: Lectures and practical exercises in the duties and tasks of a missile test equipment technician/specialist. Course includes a review of algebra, binary and octal number systems, transistor circuit theory, basic digital computers, and basic relay logic devices.
Credit Recommendation: In the upper-division baccalaureate category, credit in basic digital electronics on the basis of institutional evaluation (6/74).

AF-1715-0655

INSTRUMENT TRAINER SPECIALIST (P)
(Instrument Trainer Specialist (P & Z))
(Electronic Instrument Trainer Specialist (P & Z))
(Electronic Instrument Trainer Specialist (Z & P Types))

Course Number: ABR34131B; AB34131B.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 26–30 weeks (750–810 hours).
Exhibit Dates: 12/54–12/68.
Objectives: To train personnel as instrument trainer specialists.
Instruction: Lectures and practical exercises on the duties of instrument trainer specialists, including aerodynamics, electricity, electronics, electronic controls, trainer maintenance and operation, AC and DC, reactive circuits, principles of vacuum tubes and transistors, special-purpose tubes, amplifiers and oscillators, motor and servo mechanisms, flight and engine systems, and radio aids.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0656

MISSILE SYSTEMS ANALYST SPECIALIST (CGM-13B, LCH PREP)

Course Number: 3ABR31630N; ABR31630N.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 23 weeks (648–660 hours).
Exhibit Dates: 7/66–12/73.
Objectives: To train airmen as missile systems analyst specialists.
Instruction: Lectures and practical exercises in the duties of missile systems analyst specialists, including electronic fundamentals; CGM-13B weapon system, missile systems, flight controls, inertial guidance, and launch control center equipment; nuclear weapons training; and launch area operations.
Credit Recommendation: In the upper-division baccalaureate category, credit in electricity and electronics on the basis of institutional evaluation (6/74).

AF-1715-0657

TACTICAL MISSILE LAUNCH SPECIALIST (CGM-13B)
(Tactical Missile Launch Specialist (Mace, MGM-13C))
(Tactical Missile Launch Specialist (TM-76B))

Course Number: ABR31433N.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 23–25 weeks (600–660 hours).
Exhibit Dates: 9/61–12/68.
Objectives: To train airmen to perform as Mace and TM-76B tactical missile launch specialists.
Instruction: Lectures and practical exercises in the duties of TM-76B tactical missile launch specialists, including electronic fundamentals; direct current; use of meters; series resistance; parallel resistive circuits; series-parallel resistance and bridge circuits; generation of AC and DC voltages; frequency spectrum; inductance, capacitance, reactance, impedance and transformers; alternating current; reactive circuits; series and parallel RC, RL, and RCL circuits and resonance; vacuum tubes and solid-state devices; and amplifiers and oscillators.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical laboratory (6/74).

AF-1715-0658

MISSILE LAUNCH OFFICER (CGM-13B)
(Missile Launch Officer (MACE, MGM-13C))
(Missile Launch Officer (TM-76B))
(Missile Launch Officer (TM-76B))
(Guided Missile Operations Officer (TM-76B))

Course Number: OBR1821N; OBR1821C-2; OBR1821-2.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 18–19 weeks (540–570 hours).
Exhibit Dates: 12/60–12/68.
Objectives: To qualify officers as MGM-13C missile launch officers or TM-76B guided missile operations officers.
Instruction: Lectures and practical exercises in operation and supervision of MGM-13C MACE tactical missile launch activities, and in the duties of TM-76B guided missile operations officers, including electronic principles; MGM-13C weapon system, missile systems, flight controls, and inertial guidance; LAGG principles; launch familiarization; launch area operations and maintenance; guided missile operations fundamentals; vacuum tubes and circuits; servos controllers; introduction to TM-76B missile systems, flight controls; and inertial guidance; and nuclear weapons orientation.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electrical laboratory (6/74).

AF-1715-0659

RADIO RELAY EQUIPMENT REPAIRMAN AN/FCC-21, AN/MCC-13, AN/FCC-32, MC-50, MW-503, AND AN/FRC-39A(V)
(Radio Relay Equipment Repairman MC-50, AN/MCC-13, AN/FCC-32(V) (TMS-2), MW-503A, AN/FRC-39A(V), AN/MRC-85)
(Radio Relay Equipment Repairman (AN/MRC-85; AN/FRC-39A(V); AN/MCC-13))

Course Number: 3AZR30450-5.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 6–9 weeks (180–258 hours).
Exhibit Dates: 7/69–Present.
Objectives: To train military and civilian personnel to maintain specific radio relays, multiplex equipment, and microwave sets.
Instruction: Lectures and practical exercises in radio relays, multiplex equipment, and microwave set maintenance, including circuit analysis, frequency plan, block-diagram analysis, reflex klystrons operational theory, schematic diagram analysis, power supplies, trouble analysis and troubleshooting techniques, and performance testing.
Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0660

MISSILE LAUNCH OFFICER (MGM-13A)
(Missile Launch Officer (Mace, MGM-13B))
(Missile Launch Officer (TM-76A))

Course Number: OBR1821M; OBR1821C-1.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 13–19 weeks (390–570 hours).
Exhibit Dates: 3/61–12/68.
Objectives: To train personnel to perform as MGM-13A and TM-78A missile launch officers.
Instruction: Lectures and practical exercises on the duties of missile launch officers, including maintenance management; electronics; TM-76A ground equipment and MGM-13A missile systems; power plant, flight control, and guidance systems; launch area operations; systems recycle pack; nuclear weapons orientation; mathematics for electronics; DC and AC electricity; and launch control center.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0661

MISSILE TEST EQUIPMENT TECHNICIAN/SPECIALIST (PROGRAMMED CHECKOUT EQUIPMENT) (SM-65F)

Course Number: ATS31570P-17.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 15 weeks (450 hours).
Exhibit Dates: 5/61–12/68.
Objectives: To train enlisted personnel in the duties and tasks of missile test equipment specialists.

Instruction: Lectures and practical exercises in the duties and skills of missile test equipment specialists. Course includes algebra, AC and DC circuits, binary and octal numbering systems, transistor theory, test equipment operation and application, basic computer services, Boolean logic, gyro principles, closed-loop servo systems, electrical check-out trailer, logical unit analysis, MAPCHE block diagram, autopilot selector, propellant utilization, and calibration and troubleshooting procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0662

Ballistic Missile Analyst Specialist (HGM-25A)
(Ballistic Missile Analyst Specialist (SM-68A))

Course Number: ABR31234E.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 16 weeks (480 hours).

Exhibit Dates: 8/62-12/68.

Objectives: To train enlisted personnel who have completed a course in missile systems fundamentals to perform as apprentice ballistic missile analysts and specialists.

Instruction: Lectures and practical exercises in ballistic missile analysis, including characteristics of the SM-68 missile and systems; launch complex layout, equipment, and maintenance; maintenance management; electrical systems data flow analysis and troubleshooting; rocket engine system and hydraulics; flight control system components, operation, and inspection; radio and ground guidance systems operation and associated test sets and equipment; launcher system and antenna protecting and elevating set; and re-entry vehicle, control center circuits, and missile systems check-out and analysis.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0663

Missile Launch/Missile Officer (Ballistic Missiles)
(Guided Missile Operations/Maintenance Officer (Ballistic Missiles))

Course Number: OBR1821; OBR3121-3; OBR1821B.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 7-12 weeks (210-360 hours).

Exhibit Dates: 12/60-12/68.

Objectives: To train officers in missile skills as a prerequisite to specialized training in Atlas and Titan missile support.

Instruction: Lectures and practical exercises in missile skills, including missile fundamentals, pneudraulic principles, electrical and electronic fundamentals, guidance systems, and test equipment.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical laboratory (6/74).

AF-1715-0664

Missile Mechanic, WS-133

Course Number: 3ABR44330G-2.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL.

Length: 13-21 weeks (402-588 hours).

Exhibit Dates: 4/70-12/73.

Objectives: To train airmen to perform as missile mechanics.

Instruction: Lectures and practical exercises in the functions of missile mechanics, including pneudraulic, electrical, and mechanical systems; security and safety practices; maintenance systems, technical orders, directives, and forms to perform WS-133 support base maintenance and mobile maintenance team functions on aerospace ground equipment and real-property installed equipment such as electrical power supply and distribution systems, environmental control systems, cable pressurization systems, button-up security subsystem, launcher closure system, elevator work cage, mating and demating the re-entry vehicle, and guidance control section; missile handling equipment; and procedures required to transport, emplace, and remove the missile.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0665

Missile Launch/Missile Officer, SM-68B

Course Number: OZR1821B; OZR3121C-5.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 6 weeks (180 hours).

Exhibit Dates: 3/62-12/68.

Objectives: To train officers as missile launch officers or missile officers.

Instruction: Lectures and practical exercises in missile systems, including missile launch complex, utilities, propellant transfer system, hazard sensing and damage control, facility and missile electrical systems, missile installation and removal, guidance system, alignment and maintenance procedures, flight control, hydraulics, propulsion system, systems integration, launch control equipment, power distribution, communications systems, and troubleshooting and testing procedures and equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0666

1. Tactical Missile Launch Specialist (MGM-13A)
2. Tactical Missile Launch Specialist (MGM-13A)
3. Tactical Missile Launch Specialist (MGM-13B)
(Tactical Missile Launch Specialist (TM-76A))
(Missile Systems Analyst Specialist (TM-76A))

Course Number: *Version 1:* ABR31433M. *Version 2:* ABR31433M. *Version 3:* ABR31433M; ABR31430F.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 16 weeks (438 hours). *Version 2:* 26 weeks (690 hours). *Version 3:* 23 weeks (698 hours).

Exhibit Dates: *Version 1:* 10/64-12/68. *Version 2:* 5/64-9/64. *Version 3:* 6/61-4/64.

Objectives: To train enlisted personnel to operate, maintain, and perform check-out procedures on TM-76A missile systems and associated launch area check-out equipment.

Instruction: *All Versions:* Lectures and practical exercises in electronics fundamentals and the operation, maintenance and check-out of TM-76A missile systems and associated launch area check-out equipment, including AC and DC; tubes and transistors; amplifiers and oscillators; principles of missile systems; flight control system; guidance radar system; ground equipment; power distribution; communications systems; and specific equipment components and systems. *Version 1:* Includes power supplies, wave-shaping circuits, AM, FM, single sideband, transmission lines and antennas, servomechanisms, cavity resonators, microwave principles, and electrical test equipment. *Version 2:* Includes power supplies, wave-shaping circuits, AM, FM, single sideband, transmission lines and antennas, servomechanisms, cavity resonators, microwave principles, and electrical test equipment. *Version 3:* Includes reactive circuits, magnetism, and soldering techniques.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 6 semester hours in electricity and electronics and additional credit in electronics on the basis of institutional evaluation (6/74). *Version 2:* In the upper-division baccalaureate category, 6 semester hours in electronics and additional credit in electronics on the basis of institutional evaluation (6/74). *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0667

1. Tactical Missile Launch Specialist (MGM-13A)
2. Tactical Missile Launch Specialist (MGM-13A)
3. Tactical Missile Launch Specialist (MGM-13B)
(Tactical Missile Launch Specialist (TM-76A))

Course Number: *Version 1:* ALR31433M. *Version 2:* ALR31453M. *Version 3:* ALR31453M.

Location: 0 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 15 weeks (438 hours). *Version 2:* 23 weeks (690 hours). *Version 3:* 20 weeks (600 hours).

Exhibit Dates: *Version 1:* 10/64-12/68. *Version 2:* 5/64-9/64. *Version 3:* 6/63-4/64.

Objectives: To train enlisted personnel to operate, maintain, and perform check-out procedures on TM-76A missile systems and associated launch area check-out equipment.

Instruction: *All Versions:* Lectures and practical exercises in electronics fundamentals and the operation, maintenance, and check-out of TM-76A missile systems and associated launch area check-out equipment, including AC and DC; tubes; transistors; amplifiers and oscillators; principles of missile systems; flight control system; guidance radar system; ground equipment; power distribution; communications systems; and specific equipment components and systems. *Version 1:* Includes power supplies, wave-shaping circuits, AM, FM, single sideband, transmission lines and antennas, servomechanisms, cavity resonators, microwave principles, and electrical test equipment. *Version 2:* Includes power supplies, wave-shaping circuits, AM, FM, single sideband, transmission lines and antennas, servomechanisms, cavity resonators, microwave principles, and electrical test equipment. *Version 3:* Includes reactive circuits, magnetism, and soldering techniques.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 6 semester hours in electronics and additional credit in electronics on the basis of institutional evaluation (6/74). *Version 2:* In the upper-division baccalaureate category, 6 semester hours in electronics and additional credit in electronics on the basis of institutional evaluation (6/74). *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0668

MISSILE SYSTEMS ANALYST SPECIALIST (TM-76B)

Course Number: ABR31430G.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 23 weeks (600 hours).

Exhibit Dates: 2/60-12/68.

Objectives: To train basic airmen as apprentice TM-76B missile systems analyst specialists.

Instruction: Lectures and practical exercises in missile systems analysis, including DC, AC and reactive circuits, vacuum tubes and transistors, amplifiers and oscillators, motors and generators, inertial guidance fundamentals, power supplies, flight controls and gyroscopes, test set operation, launch area equipment operation, and troubleshooting techniques.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electrical laboratory (6/74).

AF-1715-0669

MISSILE SYSTEMS FUNDAMENTALS

Course Number: ABR31020-3.

Location: 3320th Technical School, Amarillo AFB, TX.

Length: 19 weeks (480 hours).

Exhibit Dates: 5/61-12/68.

Objectives: To train airmen in electronics and missile fundamentals.

Instruction: Lectures and practical exercises in electronics and missile fundamentals, including AC, DC, and reactive circuits; principles of vacuum tubes and transistors; special-purpose tubes; amplifiers and oscillators; motors and servomechanisms; nonlinear wave shaping; multivibrators; computer and guidance principles; basic hydraulic principles; and general missile subjects.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0670

MISSILE LAUNCH/MISSILE OFFICER (TITAN I, HTM-25B)
(Missile Launch/Missile Officer (SM-68A))

Course Number: OZR1821E; OZR3121E; OZR1821B; OZR3121C-2.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 6-7 weeks (180-210 hours).

Exhibit Dates: 10/61-12/68.

Objectives: To train officers as Titan missile launch officers or missile officers.

Instruction: Lectures and practical exercises in Titan missile systems, including weapon system familiarization; air conditioning and water systems; antenna protecting and elevating system; missile electrical systems; propellant loading and pressurization; re-entry vehicles; missile installation; flight control, hydraulics and guidance systems; launch procedures, equipment and console operation; and maintenance procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0671

1. MISSILE GUIDANCE AND CONTROL SPECIALIST (AIM) (ADC)
2. MISSILE GUIDANCE AND CONTROL SPEICALIST (AIM)

Course Number: *Version 1:* 3ABR31631L-2. *Version 2:* ABR31631L-2.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 21-27 weeks (642-780 hours). *Version 2:* 28 weeks (810 hours).

Exhibit Dates: *Version 1:* 2/68-12/73. *Version 2:* 7/66-1/68.

Objectives: To train enlisted personnel to be missile guidance and control specialists.

Instruction: Lectures and practical exercises in electronic principles, including AC and DC circuit theory, Ohm's law, Kerchoff's law, transistors, vacuum tubes, basic rectifiers, oscillators, and wave-shaping circuits; and missile guidance systems, including circuit analysis, test equipment operation and calibration, missile check-out equipment, ground support equipment, and troubleshooting procedures.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in electronics laboratory, and credit in electronics on the basis of institutional evaluation (6/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in electronics laboratory, and additional credit in electronics on the basis of institutional evaluation (6/74).

AF-1715-0672

GUIDANCE AND CONTROL OFFICER (RIGS) (HGM-25A)
(Guidance and Control Officer (RIGS) (SM-68A))
(Guidance Control Officer (RIGS) (SM-68))

Course Number: OZR3044-6; OZR3044D; OTS3044-4.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 15 weeks (450 hours).

Exhibit Dates: 4/61-12/68.

Objectives: To train guidance control officers in the operation, maintenance, and logistics of the Titan I ground guidance system.

Instruction: Lectures and practical exercises in the operation, maintenance, and applicable logistics of the Titan I ground guidance system, including missile familiarization, computer fundamentals (digital computers, Boolean algebra, digital electronics, basic programming), computer control and storage, input/output power, ground equipment, data flow, guidance radar, and troubleshooting procedures.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in data processing or computer principles (12/68).

AF-1715-0673

MISSILE FACILITIES SPECIALIST/TECHNICIAN (SM-65F)

Course Number: ATS54170D-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 15 weeks (450 hours).

Exhibit Dates: [illegible]/61-12/68.

Objectives: To train enlisted personnel as SM-65F missile facilities specialists.

Instruction: Lectures and practical exercises in the operation, inspection, and maintenance of launch installations, including heating, ventilation, air cooling, power distribution, pneumatic, hydraulic, fluid storage, and propellant transfer systems; and in the inspection, operation, and maintenance of the launcher, missile lifting system and crib suspension.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0674

MISSILE LAUNCH/MISSILE OFFICER (TITAN II/LGM-25)

Course Number: OZR1821F; OZR3121F.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 9 weeks (270 hours).

Exhibit Dates: 1/65-12/68.

Objectives: To train officers in Titan II missile management.

Instruction: Lectures and practical exercises in Titan II missile management, including missile maintenance and data collection, weapon system familiarization, launch complex pneudraulics and associated equipment, communications equipment, utilities, propellant transfer system, damage control and hazard sensing, electrical system, installation and removal procedures, flight control system, guidance operation and maintenance, systems integration, propulsion systems, power and launch control, and troubleshooting procedures.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (6/74).

AF-1715-0675

MISSILE MAINTENANCE OFFICER, WS-133
(Missile Maintenance Officer, WS-133 (T & A))

Course Number: 3OBR3121G-4.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 10-15 weeks (272-438 hours).

Exhibit Dates: 2/70-12/73.

Objectives: To train officers for combat targeting team duties, and in missile equipment maintenance.

Instruction: Lectures and practical exercises in combat targeting team duties and in missile equipment maintenance, including fundamentals and theory of missile electrical and electronic systems, guidance and control systems, launch control facilities, missile systems, aerospace ground equipment, test equipment, and alignment and troubleshooting procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0676

1. AIR TRAFFIC CONTROL RADAR REPAIRMAN, AN/CPN-18, AN/FPN-16
2. AIR TRAFFIC CONTROL RADAR REPAIRMAN (AN/FPN-16 AND AN/CPN-18)

Course Number: AB30331C.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 33-36 weeks (990 hours). *Version 2:* 14 weeks (420 hours).

Exhibit Dates: *Version 1:* 1/56-12/68. *Version 2:* 7/54-12/55.

Objectives: To train airmen with previous technical experience to perform as air traffic control radar repairmen (AN/FPN-16 and AN/CPN-18).

Instruction: *Version 1:* Lectures and practical exercises on the operation, tuning, alignment, inspection, organizational maintenance, and repair of specific air traffic control radar equipment and associated communication and test equipment, including direct current, alternating current, and electron tubes, and power supplies. *Version 2:* Topics include specific transmitting and receiving systems and related test equipment, shelter operations, remoting and D/F equipment, specific synchroscopes, and analysis of specific indicating systems.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0677

Electronic Computer Repairman BUIC AN/GSA-51A

Course Number: 3ABR30533C.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 42 weeks (1200 hours).

Exhibit Dates: 8/70–12/73.

Objectives: To train enlisted personnel to repair computer systems.

Instruction: Lectures and practical exercises in the repair of computer systems. Course includes computer system operation, memory function, timing, and logic; programming and machine language; hardware routines and basic instructions, input-output timing, and tape and drum systems; and troubleshooting.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in digital technology on the basis of institutional evaluation (7/74).

AF-1715-0678

Intermediate and Organizational Maintenance, TSEC/HY-2

Course Number: 3AZR30650-10.

Location: 3275th Technical School, Lackland AFB, TX.

Length: 6 weeks (153 hours).

Exhibit Dates: 1/72–12/73.

Objectives: To train enlisted personnel to analyze and identify faulty components and to maintain, adjust and secure ground communication equipment.

Instruction: Lectures and practical exercises in the maintenance of ground communication equipment. Course includes a functional study of transmit, receive, and timing circuits of ground communication systems, using test instruments, circuit diagrams, and manuals.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0679

F/FB111 Penetration Aids Test Stations Technician

Course Number: 3ALR30173-1.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 18 weeks (540 hours).

Exhibit Dates: 10/68–12/73.

Objectives: To train enlisted personnel to maintain, operate, and test penetration aids and infrared test stations.

Instruction: Lectures and practical exercises in the maintenance and operation of penetration aids and infrared test stations. Course includes principles of infrared (IR) physics and use in receivers; block-diagram analysis of IR receivers, IR generation, control servos, and analysis and function of radar homing and warning system.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the ourse (7/74).

AF-1715-0680

1. Avionics Navigation Systems Specialist
   (Aircraft Electronic Navigation Equipment Repairman)
2. Aircraft Electronic Navigation Equipment Repairman
   (Aircraft Electronic Navigation Equipment Repairman (General))

Course Number: *Version 1:* 3ABR32831. *All Versions:* 3ABR30131. *Version 2:* ABR30131; ABR30131B.

Location: *Version 1:* School of Applied Aerospace Sciences, Keesler AFB, MS. *Version 2:* 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 33 weeks (990 hours). *Version 2:* 35–40 weeks (1050–1110 hours).

Exhibit Dates: *Version 1:* 6/71–12/73. *Version 2:* 7/59–5/71.

Objectives: To train airmen to operate, maintain, and repair electronic and radio navigation equipment.

Instruction: *All Versions:* Lectures and practice in the operation, maintenance, and repair of electronic and radio navigation equipment, including AC and DC, magnetism; resonance; motors and servomechanisms; synchros; transistors and solid-state devices; operation, function, and basic mathematical relationships of power supplies, regulators, multivibrators, pulsed and blocking oscillators, FM and discrimination, transmission lines and antennas, transmitters and receiver principles, wave-guides, cavity resonators, UHF and microwave oscillators and amplifiers, and electrical test equipment; principles and operation of airborne radio compass receivers and radar altimeters; search radar and IFF principles; beacon systems; visual omni-range and ILS systems; and troubleshooting and inspection procedures. *Version 1:* Includes binary and octal numbers, logic function, diagrams and circuits, truth tables, counters and storage devices, digital techniques, glideslope circuits, and TACAN equipment analysis. *Version 2:* Includes LORAN equipment analysis.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0681

Weapons Mechanic (TAC)

Course Number: 3ABR46230-2; ABR46230-2.

Location: School of Applied Aerospace Sciences, Lowry AFB, CO; 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 13–17 weeks (390–510 hours). *Version 2:* 16–18 weeks (450–510 hours).

Exhibit Dates: *Version 1:* 12/68–12/73. *Version 2:* 3/66–11/68.

Objectives: To train airmen as weapons mechanics.

Instruction: Lectures and practical exercises in maintenance, management, inspection systems and forms, loading and unloading munitions from aircraft, technical publications, nuclear weapons handling, security of classified information and materials, test equipment usage, electricity fundamentals, and ground and nuclear safety.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0682

Dial Central Office Equipment Specialist, SM-68B

Course Number: AZR36231-1; ATS36251-12.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 6 weeks (180 hours).

Exhibit Dates: 7/62–12/68.

Objectives: To train maintenance personnel to perform as dial central office equipment specialists.

Instruction: Lectures and practical exercises in the skills necessary to perform as a dial central office equipment specialist. Course includes communication panel and console circuits, conference nets, miscellaneous circuits, power and test equipment, and radio access equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0683

Weather Equipment Superintendent

Course Number: *Version 1:* AAR30290. *All Versions:* AA25100.

Location: 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 28 weeks (840 hours). *Version 2:* 19 weeks (570 hours).

Exhibit Dates: *Version 1:* 2/58–12/68. *Version 2:* 3/55–1/58.

Objectives: To train weather equipment supervisors and technicians to perform as weather equipment superintendents.

Instruction: *Version 1:* Lectures and practical exercises in the installation, maintenance, and operation of meteorological equipment, including electrical mathematics, theory and application of meteorological measurements, staff technical writing and composition, advanced electronics, current weather equipment, maintenance and installation management, and site surveying and installation. *Version 2:* Topics include mathematics, advanced radar component circuit analysis, advanced radar circuit analysis, theory and application of meteorological measurements, telemetering systems and familiarization with specific new weather equipment, administrative practices, and site surveying and installation of equipment.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in business and management (12/68). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in business and management (12/68).

AF-1715-0684

Aircraft Electronic Countermeasures (ECM) Repairman (Ground Equipment)

Course Number: AZR30133A-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 6 weeks (180 hours).

Exhibit Dates: 1/62–12/68.

Objectives: To train enlisted personnel to tune, operate, inspect, maintain, and repair electronic countermeasures receivers, pulse analyzers, cameras, recorders, and associated test equipment.

Instruction: Lectures and practical exercises in the maintenance and repair of ground equipment. Course includes development and application of electronic principles, circuit theory, and shop practices, and maintenance procedures for communications receivers, tape recorders, oscilloscopes, pulse analyzers, cameras, and brush recorders.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0685

Automatic Central Office Equipment Technician (Kellogg K-60)

Course Number: ATS36251-3.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 15 weeks (450 hours).

Exhibit Dates: 6/61-12/68.

Objectives: To train enlisted personnel to repair and maintain the Kellogg K-60 ballistic missile communications system.

Instruction: Lectures and practical exercises in the duties of an automatic central office equipment technician. Course includes fundamentals of electricity; K1A1 key telephone units, including operation and adjustment; direct line and SASS system maintenance, and troubleshooting for a type K-60 dial telephone switching system.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0686

Instrumentation Mechanic

Course Number: ATS31350-1.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 19 weeks (600 hours).

Exhibit Dates: 10/60-12/68.

Objectives: To train selected enlisted personnel to inspect, troubleshoot, and repair telemetry instruments.

Instruction: Lectures and practical exercises in the repair of telemetry instruments. Course includes RC-RL circuitry; basic instrumentation circuitry; transistors; optics and photography; test equipment; principles and components of frequency modulation systems; multiplexing; frequency-division multiplexing and airborne transmission components; space telemetry components; frequency-division demultiplexing; and time-division demultiplexing.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0687

Aircraft Control and Warning Radar Repairman

Course Number: *Version 1:* 3ABR30332. *Version 2:* 3ABR30332; ABR30332. *Version 3:* ABR30332.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 35-37 weeks (1050 hours). *Version 2:* 39-41 weeks (1162-1170 hours). *Version 3:* 44-45 weeks (1230-1260 hours).

Exhibit Dates: *Version 1:* 6/71-12/73. *Version 2:* 2/64-5/71. *Version 3:* 5/59-1/64.

Objectives: To train airmen to perform as aircraft control and warning radar repairmen.

Instruction: *All Versions:* Lectures and practical exercises in the duties of aircraft control and warning radar repairmen and in electronic principles, including DC and AC circuits, magnetism, resonance, diodes, transistors and solid-state systems, vacuum tubes, amplifiers and oscillators, motors, multivibrators, microwave principles, receiver principles, cavity resonators, UHF and microwave oscillators, electrical test equipment, various modulation and demodulation systems, transmission lines, synchros, pulsed and blocking oscillators, regulators, radar principles, transmitters, antenna positioning and indicator systems, and systems maintenance and associated equipment. *Version 1:* Includes binary and octal numbers, truth tables, Boolean algebra, logic function diagrams, circuits, counters and storage devices, magnetron transmitters and linear receivers, Klystron transmitter, clutter elimination, and identification systems. *Version 2:* Includes clutter elimination and special-purpose tubes. *Version 3:* Includes reactive circuits, special-purpose tubes, principles of IFF and coder systems, and SIF passive and active systems.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in electronic instrumentation laboratory, 1 in electronics laboratory (6/74). *Version 2:* In the upper-division baccalaureate category, 1 semester hour in electronic instrumentation laboratory (6/74). *Version 3:* In the upper-division baccalaureate category, 3 semester hours as a technical elective in electronics for non-engineering majors, or 2 in electricity or electronic laboratory (6/74).

AF-1715-0688

Fire Control Systems Mechanic (MA-7 System)

Course Number: AB32230K.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 32 weeks (870 hours).

Exhibit Dates: 8/57-12/68.

Objectives: To train airmen to operate, troubleshoot, maintain, and repair the MA-7 fire control systems installed in the F-101 aircraft.

Instruction: Lectures and practical exercises in fire control system maintenance, including fundamentals of electricity; amplifiers, oscillators, and sweep generators; radar principles; servomechanism principles; general operation and service section; transmitter and receiver; video and range loops; antenna-positioning loop; sight and attack display; bombing computers; MA-7 fire control system tie-in; and field exercises.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical or electronics laboratory (6/74).

AF-1715-0689

Weapons Control Systems Mechanic (E-9, MG-12 Systems)

Course Number: AL32231E.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 23 weeks (690 hours).

Exhibit Dates: 3/58-9/60.

Objectives: To train personnel as weapons control systems mechanics for the E-9 and MG-12 systems.

Instruction: Lectures and practical exercises in weapons control systems repair, including introduction to channel B; service function; intelligence gathering; antenna positioning; computer; optics and self-tests; fighter missile system; system tie-in; and field exercises.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical laboratory (6/74).

AF-1715-0690

1. Weapons Control Systems Mechanic (MG-12 System)
2. Weapons Control Systems Mechanic (E-9 System)

(Weapons Control Systems Mechanic (E-9, MG-12 Systems))

Course Number: *Version 1:* ABR32231E-2. *Version 2:* ABR32231E-1; AB32231E.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 37-39 weeks (1110-1170 hours). *Version 2:* 42 weeks (1170 hours).

Exhibit Dates: *Version 1:* 10/60-12/68. *Version 2:* 8/57-9/60.

Objectives: To train personnel as weapons control systems mechanics for the E-9 and MG-12 systems.

Instruction: Lectures and practical exercises in weapons control systems repair, including fundamentals of electricity; fundamentals of AC and DC; vacuum tubes and power supplies; amplifiers, oscillators and sweep generators; radar principles; servomechanism principles; introduction to channel B; service function; intelligence gathering; antenna positioning; computer; optics and self-tests; fighter missile system; system tie-in; reactive circuits; special circuits; microwave operation; timing and firing function; attack steering function; attack display function; optical steering and tracking; field exercises; and system troubleshooting.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 1 semester hour in electrical laboratory (6/74). *Version 2:* In the upper-division baccalaureate category, 1 semester hour in electrical laboratory (6/74).

AF-1715-0691

Missile Guidance and Control Technician (AGM/AIM TAC SEA)

Course Number: 2ASR31671L.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 6-11 weeks (192-312 hours).

Exhibit Dates: 8/68-12/73.

Objectives: To train airmen as missile guidance and control technicians.

Instruction: Lectures and practical exercises in missile guidance and control systems, including air-intercept and air-to-ground missile characteristics, armament, propulsion, power supply, and block-diagram analysis; aerospace ground equipment handling; corrosion control; assembly and disassembly; test sets and troubleshooting procedures; and guidance and control systems familiarization.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0692

1. Missile Launch Officer, LGM-25
2. Missile Launch/Missile Officer (LGM-25)

Course Number: *Version 1:* 3OBR1821F. *Version 2:* 3OBR3121F; OBR3121F; OBR1821F.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 13 weeks (378 hours). *Version 2:* 14 weeks (420 hours).

Exhibit Dates: *Version 1:* 1/71–12/73. *Version 2:* 8/66–12/70.

Objectives: To train officers in Titan II missile systems support.

Instruction: *All Versions:* Lectures and practical exercises in Titan II missile systems support, including ballistic missile theory, weapon system familiarization, electronic principles (DC, AC, components theory), inertial guidance principles, guidance systems, propulsion, flight control and hydraulic systems, systems integration, launch control operation and troubleshooting, facility pneudraulics and associated equipment, various missile subsystems, and power generation and distribution. *Version 1:* Includes communications system and components.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in electrical laboratory (6/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in electrical laboratory (6/74).

AF-1715-0693

Missile Mechanic (AGM-28A/B)
(Missile Mechanic (GAM-77))

Course Number: 3ABR44330Q; ABR44330Q-1; ABR44330Z-1; ABR43330-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 18–23 weeks (510–600 hours).

Exhibit Dates: 4/61–12/73.

Objectives: To train enlisted personnel to maintain the AGM 28A/B missile.

Instruction: Lectures and practical exercises in the maintenance of the AGM 28A/B missile, including missile mechanics, electrical and electronic fundamentals, maintenance management, missile hydraulic systems, fundamentals of jet propulsion, and planned inspections.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electronics, 2 in hydraulics, and 2 as an elective in vocational/technical programs (7/74).

AF-1715-0694

Tow Reel Specialist

Course Number: AB43132.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 8 weeks (240 hours).

Exhibit Dates: 9/55–12/68.

Objectives: To train basic airmen to maintain and repair tow reels.

Instruction: Lectures and practical exercises in maintenance and repair of tow reels, including electrical and hydraulic systems; operation, inspection, and maintenance of tow targets and related equipment; component part identification; and troubleshooting procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0695

Weapons Mechanic (GAM-72)

Course Number: AZR46230A; AZR46230.

Location: 3320th Technical School, Amarillo AFB, TX.

Length: 4–5 weeks (120–150 hours).

Exhibit Dates: 1/60–12/68.

Objectives: To train airmen as weapons mechanics on GAM-72 missiles.

Instruction: Lectures and practical exercises in GAM-72 missile systems, including missile familiarization; maintenance inspection, procedures, and equipment; ground support equipment; airframe and flight control surfaces; missile electrical system; carrier electrical system; launch gear function, arrangement, assembly and disassembly; and missile loading procedures.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (7/74).

AF-1715-0696

Ground Communications Equipment Repairman (Light)

Course Number: ABR30432.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 32 weeks (870 hours). *Version 2:* 38 weeks (1050 hours).

Exhibit Dates: *Version 1:* 1/60–12/68. *Version 2:* 9/58–12/59.

Objectives: To train enlisted personnel to operate, adjust, maintain, and repair low-power ground communications equipment.

Instruction: Lectures and practical exercises in electronic principles, circuit analysis, UHF and HF transmitters and receivers, radio teletype, direction finding, TV systems and associated test equipment, vacuum tube and transistor principles, multichannel tranceivers, and communications systems. Instruction is descriptive rather than analytical.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 4 semester hours in electronics, and credit in electrical laboratory on the basis of institutional evaluation (12/68). *Version 2:* In the upper-division baccalaureate category, 4 semester hours in electronics and credit in electrical laboratory on the basis of institutional evaluation (12/68).

AF-1715-0697

Missile Maintenance Mechanic/Technician (SM-68)

Course Number: ATS43350-4; ATC43350-6.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 14 weeks (420 hours).

Exhibit Dates: 11/60–12/68.

Objectives: To train enlisted personnel as missile maintenance mechanics or technicians.

Instruction: Lectures and practical exercises in the inspection and maintenance of a missile launch complex, including weapon system familiarization, launch silo system, propellant loading and pressurization system, launch and missile systems operation, missile handling and transportation, and fuel, electrical, hydraulic, and engine systems.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0698

EMU-12/E Generator Set
(EMU/12E and AN/MRC-107 Generator Sets)

Course Number: 3AZR42153.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL.

Length: 3–4 weeks (102–108 hours).

Exhibit Dates: 3/68–12/73.

Objectives: To train airmen to troubleshoot and repair EMU-12/E generator sets.

Instruction: Lectures and practical exercises in the troubleshooting and repair of EMU-12/E generator sets, including function and operation of gas turbine engines, engine control devices, engine fuel systems, engine electrical systems, solid-state devices, protective package monitors, control package monitors, and maintenance procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0699

Weapons Control Systems Technician (MG-13 Data Flow)

Course Number: AAR32271F-2.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 29 weeks (870 hours).

Exhibit Dates: 11/58–12/68.

Objectives: To train enlisted personnel to troubleshoot and repair weapons control systems; repair and harmonize weapons control systems; perform weapons control systems inspections; and supervise weapons control systems personnel.

Instruction: Lectures and practical exercises in the maintenance, inspection, and repair of weapons control systems. Course includes fundamentals of electronics, systems and computer self-tests, power generation and distribution, radar ranging function, antenna positioning, flight sensing function, and ballistic functions.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in basic electronics (7/74).

AF-1715-0700

Nuclear Weapons Technician (AGM-69A)
(Nuclear Weapons Specialist AGM-69A)

Course Number: 3AZR46370.

Location: School of Applied Aerospace Sciences, Lowry AFB, CO; 3415th Technical School, Lowry AFB, CO.

Length: 5–7 weeks (150–200 hours).

Exhibit Dates: 7/71–12/73.

Objectives: To train airmen to inspect, assemble, maintain, repair, and modify the AGM-69A weapon system and related components and test equipment.

Instruction: Lectures and practical exercises in the inspection, assembly, maintenance, repair, and modification of the AGM-69A weapon system and related components and test equipment, including launcher maintenance, payload maintenance, loading procedures, ejector operation, missile components, pylon maintenance, and testing procedures.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (7/74).

AF-1715-0701

Electronic Digital Data Processing Equipment Repairman (Ballistic Missile Guidance Computer) (SM-65D)

Course Number: ABR30531E-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 38 weeks (1050 hours).

Exhibit Dates: 9/61–12/68.

Objectives: To train enlisted personnel to operate, maintain, and repair the AN/GSQ-33 ground guidance digital computer and specialized computer test equipment.

Instruction: Lectures and practical exercises in the AN/GSQ-33 ground guidance digital computer and specialized computer test equipment operation, maintenance, and repair, including program, memory, and arithmetic units; inputs, outputs, simulator, and printer; computer checks and troubleshooting; test console; plug-in unit test set and power supply tester; and computer and package troubleshooting. Additional instruction in electronic fundamentals for digital data processing equipment repairmen, including DC electrostatic principles through series-parallel circuits; AC principles through series-parallel resonant circuits; motors; saturable reactors; magnetic amplifiers; servos, synchros, and servo amplifiers; fundamentals of tubes and transistors; rectifiers; filters; time constants; power supplies; voltage regulators; soldering techniques; triodes; tetrodes; pentodes; transistors; special-purpose tubes; amplifiers and oscillators, including blocking oscillators, passive and active limiters, clampers, and amplifier circuits; synchroscope; transients; shock-excited Hartley, Astabel, oneshot, and bistabe multivibrators; thyratron, sawtooth, trapezoidal, and transistor sweep circuits; computer circuits and computing techniques; binary, octal, and binary excess-three codes; computer history, AN-OR gates, matrices, Boolean algebra, logic generators, and associated circuits; special-purpose amplifiers and gating circuits; counters, count detection, decoders, encoders, registers; conversion circuits, memory circuits and storage devices; input/output devices; and coding principles.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours as an elective in electricity or electronics (4/74).

AF-1715-0702

Printer Systems Operator, Preparatory

Course Number: 3AQR29222-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 8 weeks (228 hours).

Exhibit Dates: 6/70–12/73.

Objectives: To train airmen in prerequisite areas for entry into printer systems operator courses.

Instruction: Lectures and practical exercises in prerequisites for printer systems operator courses, including typing, transcripting of international Morse code, basic electronic principles, radio receiver operation, tape recorders, direction finding and antennas and wave propagation, and transmitters and types of transmission.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0703

Avionics Instrument Systems Technician

Course Number: 3AAR32571.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 13 weeks (390 hours).

Exhibit Dates: 9/68–12/73.

Objectives: To train airmen to operate, analyze, troubleshoot, and calibrate various avionics indicating instruments.

Instruction: Lectures and practical exercises in the operation, analysis, troubleshooting, and calibration of various avionics indicating instruments, including AC and DC circuit analysis (using Ohm's law and a nonmathematical approach), tuned circuits, amplifiers and power supplies, digital circuits, electrical test equipment, indicating devices (compass, sextant, and gyros), liquid quantity-indicating systems, air pressure-operated flight instruments, engine instruments, electronic/transistorized central air data computers, integrated vertical scale flight instruments, and electronic airspeed and mach number computers.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0704

Camera Repairman

Course Number: AB40330.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 27 weeks (810 hours).

Exhibit Dates: 7/54–6/58.

Objectives: To train airmen to maintain ground and aircraft cameras and accessories, motion-picture equipment, and photographic laboratory equipment.

Instruction: Lectures and practical exercises in the maintenance of ground and aircraft cameras and accessories, motion-picture equipment, and photographic laboratory equipment, including electricity and AC fundamentals, vacuum and gas-filled tubes, power supplies, voltage regulators, amplifiers and oscillators, synchros, servomechanisms and magnetic amplifiers; camera repair fundamentals, night photographic equipment and image motion compensating magazine; day reconnaissance, mapping, and radarscope recording cameras; multicamera installations and control systems; stabilized camera mount systems; and continuous-strip aircraft camera.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0705

Ground Radio Repairman

Course Number: AB30430.

Location: 3310th Technical School, Scott AFB, IL.

Length: 33 weeks (960 hours).

Exhibit Dates: 12/54–12/68.

Objectives: To train airmen to operate, maintain, and repair ground radio and related navigational equipment.

Instruction: Lectures and practical exercises in the operation, maintenance, and repair of ground radio and related navigational equipment, including basic radio electronics, electron tubes, receivers and transmitters, circuit applications, pulse techniques, air traffic control, radio relay equipment, point-to-point communications, and teletype and teletypewriter equipment.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical laboratory on the basis of institutional evaluation (7/74).

AF-1715-0706

1. Flight Simulator Specialist
2. Flight Simulator Specialist
3. Flight Simulator Specialist
4. Flight Simulator Specialist
5. Flight Simulator Fundamentals

Course Number: *Version 1:* 3ABR34230. *Version 2:* 3ABR34230. *Version 3:* ABR34230. *Version 4:* ABR34230. *Version 5:* AF34220.

Location: *Version 1:* School of Applied Aerospace Sciences, Chanute AFB, IL. *Version 2:* 3345th Technical School, Chanute AFB, IL. *Version 3:* 3345th Technical School, Chanute AFB, IL. *Version 4:* 3345th Technical School, Chanute AFB, IL. *Version 5:* 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 32 weeks (1230 hours). *Version 2:* 32 weeks (960 hours). *Version 3:* 35-36 weeks (960-990 hours). *Version 4:* 23 weeks (600 hours). *Version 5:* 25 weeks (750 hours).

Exhibit Dates: *Version 1:* 7/73–12/73. *Version 2:* 8/72–6/73. *Version 3:* 7/65–7/72. *Version 4:* 12/59–6/65. *Version 5:* 2/54–11/59.

Objectives: To train airmen to perform as flight simulator specialists.

Instruction: *All Versions:* Lectures and practical exercises in the maintenance and repair of flight simulators, including AC and DC circuits, electron tubes, servo systems, power supplies, amplifiers and oscillators; principles and applications of aerodynamics; radio procedures; navigation; engine systems; troubleshooting procedures; and flight simulator operation, components, and test equipment. *Version 1:* Includes missile systems fundamentals, electrical circuits, inspection, and maintenance; vacuum tube and transistor circuits; basic digital computers; missile airborne motor operation and check-out, generators, frequency controllers and servo systems, radio guidance principles, and inertial guidance; motors and synchros; velocities, rates, and angles; soldering; digital computer mathematics and logic devices, Boolean algebra, input/output devices, programming principles, general purpose computer, and radar and closed-circuit TV principles and applications to flight simulators. *Version 2:* Includes diodes and transistor circuits, resonance, introduction to magnetism, motors and synchros, multivibrators, blocking oscillators, AM systems, transmission lines and antennas, transmitters, wave-guides, cavity resonators, and UHF and microwave equipment; digital techniques; binary and octal numbers; logic functions; Boolean algebra; logic diagrams; circuits; counters and storage devices; programming principles; input/output devices; jet engine computer theory; velocities, rates, and angles; maintenance management; and radar and closed-circuit TV principles and applications to flight simulators. *Version 3:* Includes resonance, introduction to magnetism, motors and synchros, multivibrators, blocking oscillators, AM systems, transmission lines and antennas, transmitters, wave-guides, cavity resonators, UHF and microwave equipment; computer mathematics (rate and functions), digital computer logic and circuit diagrams; maintenance management; and radar and closed-circuit TV principles and applications to flight simulators. *Version 4:* Includes motors and generators, special-purpose tubes, and computer circuits. *Version 5:* Includes special circuits, synchros, and magnetism.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in computer fundamentals, 3 in electricity or electronics, 1 in electrical laboratory (7/74). *Version 2:* In the upper-division baccalaureate category, 1 semester hour in electrical or electronics laboratory (7/74). *Version 3:* In the upper-division baccalaureate category, 1 semester hour in electrical or electronics laboratory, 1 in analog and digital computer fundamentals, 1 as a technical elective in applied mathematics (7/74). *Version 4:* In the upper-division baccalaureate category, 1 semester hour in electrical laboratory (7/74). *Version 5:* In the upper-division baccalaureate category, 1 semester hour in electrical laboratory (7/74).

AF-1715-0707

AIRCREW EGRESS SYSTEMS REPAIRMEN

Course Number: ABR42232-1; 3ABR42232-1.

Location: *Version 1:* 3345th Technical School, Chanute AFB, IL. *Version 2:* 3320th Technical School, Amarillo AFB, TX.

Length: 9–12 weeks (270–360 hours).

Exhibit Dates: 8/63–Present.

Objectives: To train technicians to operate and maintain emergency ejection systems.

Instruction: Lectures and practical exercises in emergency ejection systems operation and maintenance, including electricity, pneumatics, hydraulics, and repair procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0708

FIRE CONTROL SYSTEMS MECHANIC (MG-10 SERIES DATA FLOW SPECIALIST)

Course Number: AB32231.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 36 weeks (1080 hours).

Exhibit Dates: 1/56–12/68.

Objectives: To train airmen to perform data flow system analysis, and to align, adjust, and troubleshoot the MG-10 fire control system.

Instruction: Lectures and practical exercises in data flow system analysis and the alignment, adjustment, and troubleshooting of the MG-10 fire control system, including DC and AC fundamentals, vacuum tube electronics, and block-diagram analysis and signal flow theory as related to intelligence gathering, antenna positioning, and computer loops and system tie-in.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical laboratory for technical students (7/74).

AF-1715-0709

AIRBORNE COMMAND POST COMMUNICATIONS EQUIPMENT (CE) REPAIRMAN

Course Number: 3ALR32850A-1; 3ALR30150A-1.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS; 3380th Technical School, Keesler AFB, MS.

Length: 23–24 weeks (690–720 hours).

Exhibit Dates: 9/70–12/73.

Objectives: To train airmen to maintain airborne command post communications equipment.

Instruction: Lectures and practical exercises in the maintenance of airborne command post communications equipment, including digital and solid-state techniques, Boolean algebra, UHF radio system analysis, multiplex system analysis and accessories, switchboard analysis CSA and APM, SATCOM system analysis, and specific transmit and receive systems equipment analysis.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical or electronics laboratory (7/74).

AF-1715-0710

INTERMEDIATE/ORGANIZATIONAL (I/O) MAINTENANCE M-28 ASR LOW LEVEL KEYING

Course Number: 3AZR36350-4.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 4 weeks (108 hours).

Exhibit Dates: 6/72–12/73.

Objectives: To train airmen to perform input/output maintenance on the M-28 ASR data processing device.

Instruction: Lectures and practical exercises in input/output maintenance on the M-28 ASR data processing device, including operation of test equipment, keyboard adjustments, automatic typer sequences, component adjustments, automatic typer, reperforator, transmitter distributor, solid-state devices introduction and operation, circuit analysis, and troubleshooting procedures.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0711

MISSILE ELECTRONIC EQUIPMENT SPECIALIST, WS-133A-M

Course Number: 3ABR31632G-1.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL.

Length: 34–38 weeks (1020–1307 hours).

Exhibit Dates: 1/71–Present.

Objectives: To train airmen as missile electronic equipment specialists.

Instruction: Lectures and practical exercises in the operation, maintenance, and repair of missile electronic launch equipment and in electronic principles, including AC and DC circuits, resonance, introduction to magnetism, motors and synchros; electron tubes, power supplies, regulators, multivibrators, blocking oscillators, and AM systems; transmission lines, antennas, transmitters, wave-guides, cavity resonators, and UHF and microwave oscillators and amplifiers; electrical test equipment; diode and transistor circuits, digital techniques, binary and octal numbers, logic functions, truth tables, Boolean algebra, logic diagrams, circuits, counters, and storage devices; analysis of launch equipment, test equipment malfunctions, removal and installation of modules and components of WS-133A-M launch equipment, weapon system logic, UHF command radio system, voice reporting signal assembly, control guidance coupler, data analysis central equipment, and troubleshooting procedures.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical or electronic laboratory (7/74).

AF-1715-0712

MISSILE GUIDANCE AND CONTROL SPECIALIST (AGM/AIM)TAC

Course Number: *Version 1:* 3ABR31631L-3. *Version 2:* 3ABR31631L-3. *Version 3:* ABR31631L-3.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 19 weeks (582 hours). *Version 2:* 24 weeks (690 hours). *Version 3:* 26 weeks (750 hours).

Exhibit Dates: *Version 1:* 1/71–12/73. *Version 2:* 5/68–12/70. *Version 3:* 7/67–4/68.

Objectives: To train technicians to operate, maintain, and reapir AGM/AIM TAC guided missile systems.

Instruction: Lectures and practical exercises in electronic principles, including AC and DC fundamentals, tubes, transistors, power supplies, regulation, amplifiers, oscillators, wave-shaping circuits, AM and FM, single sideband, transmission lines and antennas, servomechanisms, cavity resonators, hand tools operation, multimeters, oscilloscopes, and microwave principles; and guided missile systems operation, maintenance, and repair, including components, block-diagram analysis, and troubleshooting techniques.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 7 semester hours in electronics and additional credit in electronics on the basis of institutional evaluation (7/74). *Version 2:* In the upper-division baccalaureate category, 6 semester hours in electronics, 2 in electronics as a technical elective for non-technical students, and additional credit in electronics on the basis of institutional evaluation (7/74). *Version 3:* In the upper-division baccalaureate category, 7 semester hours in electronics and additional credit in electronics on the basis of institutional evaluation (7/74).

AF-1715-0713

1. MISSILE CONTROL COMMUNICATIONS SYSTEMS REPAIRMAN
2. MISSILE CONTROL COMMUNICATIONS SYSTEMS REPAIRMAN
3. TELEPHONE SWITCHING EQUIPMENT SPECIALIST (COMBAT OPERATIONS SUPPORT)

Course Number: *Version 1:* 3ABR36233. *Version 2:* 3ABR36233; ABR36233. *Version 3:* ABR36231B.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 27 weeks (810 hours). *Version 2:* 28–30 weeks (810 hours). *Version 3:* 33 weeks (900–990 hours).

Exhibit Dates: *Version 1:* 9/71–12/73. *Version 2:* 4/65–8/71. *Version 3:* 1/64–3/65.

Objectives: To train airmen as missile control communications systems repairmen or as telephone switching equipment specialists.

Instruction: *All Versions:* Lectures and practical exercises in electronics fundamentals and the repair of missile control communications systems or telephone switching equipment, including DC and AC circuits, reactance, principles of vacuum tubes and transistors, amplifiers and oscillators, relays and relay adjustment, Titan II communications equipment, and maintenance management and troubleshooting techniques. *Version 1:* Includes computer principles, airborne power supplies and controllers, missile systems principles; soldering equipment, test equipment, solid-state application in wave generation, digital techniques (Boolean equations, number systems, truth tables, counters and storage devices, and logic diagrams and circuits), SAC and CTE equipment analysis, maintenance of Minuteman wire communications, and Titan II radio signaling control equipment. *Version 2:* Includes computer principles, airborne power supplies and controllers, missile systems principles, soldering techniques, test equipment, multivibrators, logic mathematics, symbols and circuits, Minuteman wire communications and cable monitor equipment, and SAT and CTE equipment analysis. *Version 3:* Includes switching center principles, cable procedures, switchboard circuitry, ground telephone assembly and operation, Atlas switching equipment, and Atlas and Titan I launch-enable system equipment analysis.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, 1 in electrical laboratory, 1 as a technical elective for non-engineering majors, and additional credit in electronics laboratory on the basis of institutional evaluation (7/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, 1 in electrical laboratory, 1 as a technical elective for non-engineering majors, and additional credit in electronics laboratory on the basis of institutional evaluation (7/74). *Version 3:* In the upper-division baccalaureate category, 1 semester hour in electrical laboratory, 1 as a technical elective for non-engineering majors (7/74).

AF-1715-0714

MISSILE ELECTRONIC EQUIPMENT TECHNICIAN WS-133(CDB)

Course Number: 3AZR31672G-1.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL.

Length: 5 weeks (253 hours).

Exhibit Dates: 9/73–12/73.

Objectives: To train electronics technicians to maintain and repair missile support equipment.

Instruction: Lectures and practical exercises in the repair and maintenance of missile support equipment. Course includes circuit and block-diagram analysis of electronic equipment, troubleshooting procedures, and alignment techniques.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electronics laboratory as an elective for non-engineering students (7/74).

AF-1715-0715

MISSILE LAUNCH/MISSILE OFFICER (SM-65D)

Course Number: OZR1821B; OZR3121B-3.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 8 weeks (240 hours).

Exhibit Dates: 1/62–12/68.

Objectives: To train officers to be missile officers.

Instruction: Lectures and practical exercises in missile systems and associated ground equipment, flight and launch control systems, and facility systems familiarization and operation.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour as a technical elective in electricity for non-technical students (7/74).

AF-1715-0717

BAKER-NUNN ELECTRONIC MAINTENANCE

Course Number: 18SS31750.

Location: 18th Surveillance Squadron, Edwards AFB, CA.

Length: 6 weeks (180 hours).

Exhibit Dates: 3/73–Present.

Objectives: To train enlisted personnel to maintain the Baker-Nunn system.

Instruction: Lectures and practical exercises in Baker-Nunn system orientation, space track orientation, orbital mechanics, field and precision reduction, maintenance management, planning and reporting, corrosion prevention and control, power requirements, David-Mann comparator maintenance, data logger time-and-frequency determination, electronic requirements and monitoring; and camera operation, checkout, and problem analysis.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (7/74).

AF-1715-0718

F-111 INDICATORS AND MODULES TEST STATION TECHNICIAN

Course Number: 3ALR32570-3.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 6 weeks (180 hours).

Exhibit Dates: 8/68–12/73.

Objectives: To train enlisted personnel to perform maintenance on F-111 indicators and modules test equipment.

Instruction: Lectures and practical exercises in computer mathematics, characteristics of indicators and modules test stations, and operation of test stations.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0719

INSTRUMENTATION MECHANIC

Course Number: *Version 1:* 3ABR31730. *Version 2:* 3ABR31730. *Version 3:* ABR31730. *Version 4:* ABR31330.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 34 weeks (960 hours). *Version 2:* 32 weeks (870 hours). *Version 3:* 30–35 weeks (810–960 hours). *Version 4:* 33–34 weeks (900–930 hours).

Exhibit Dates: *Version 1:* 8/69–12/73. *Version 2:* 5/68–7/69. *Version 3:* 2/63–4/68. *Version 4:* 7/60–1/63.

Objectives: To train enlisted personnel to calibrate, maintain, troubleshoot, and repair time-and-frequency multiplexing and demultiplexing systems and digital data-acquisition equipment.

Instruction: *All Versions:* Lectures and practical exercises in electronics fundamentals and the calibration, maintenance, troubleshooting, and repair of time-and-frequency multiplexing and demultiplexing systems and digital data-acquisition equipment, including AC and DC fundamentals, modulation systems, vacuum tubes and transistors, and amplifiers; frequency-and-time multiplexing components; airborne data-acquisition-set components; airborne and ground analog and digital equipment; signal conditioning and time-division multiplexing; telemetric systems components; spectrum analysis; digital, oscillographic, and magnetic tape recording, video recording, closed-circuit television procedures and equipment; and special test equipment. *Version 1:* Includes power supplies, oscillators, wave-shaping circuits, semiconductors, computer principles (analog and digital), multivibrators, system analysis procedures, principles of radar, infrared and lasers, balanced modulation, physics, transducers, and signal conditioners; transmitters, receivers, and antennas; binary numbers, logic symbols, and digital data flow; microwave generation and transmission; height-finder equipment; commutation and decommutation; theodolites; and electrical test equipment. *Version 2:* Includes power supplies, oscillators, wave-shaping circuits, semiconductors, computer principles (analog and digital), multivibrators, system analysis procedures, principles of radar, infrared and lasers, balanced modulation, physics, transducers, and signal conditioners; transmitters, receivers, and antennas; binary numbers, logic symbols, and digital data flow; height-finder equipment; commutation and decommutation; theodolites; and electrical test equipment. *Version 3:* Includes power supplies, wave-shaping circuits, single sideband, transmission lines and antennas, cavity resonators, servomechanisms, and microwave principles; physics, transducers, and signal conditioners; transmitters, receivers, sensors, and monitoring principles; optics and photography; height-finder equipment; commutation and decommutation; theodolites; integrated systems; and electrical test equipment. *Version 4:* Includes optics, photography, and space telemetry.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in electricity, electronics, and electronics laboratory on the basis of institutional evaluation (7/74). *Version 2:* In the upper-division baccalaureate category, credit in electricity, electronics, and electronics laboratory on the basis of institutional evaluation (7/74). *Version 3:* In the upper-division baccalaureate category, 6 semester hours in electronics and credit in electronics and electrical laboratory on the basis of institutional evaluation (7/74). *Version 4:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (7/74).

AF-1715-0720

SENIOR OBSERVER TECHNICAL SPECIALIST

Course Number: 150005; 150005-1.

Location: Air Training Command, Mather AFB, CA.

Length: 40–48 weeks (1201–1289 hours).

Exhibit Dates: 2/55–12/68.

Objectives: To provide officers with advanced technical training in policy matters, observer techniques, and developmental requirements.

Instruction: Lectures and practical exercises in technical subjects, including algebra; electrostatics and magnetism; basic physics; electricity and electronics; trigonometry; communications systems; analytical geometry; generators and servomechanisms; aerodynamics; cartography; meteorology; navigation; radar systems; calculus; bomb armament, and reconnaissance operations; countermeasures and nuclear weapons; statistics; and aircraft subjects.

Credit Recommendation: In the upper-division baccalaureate category, credit in mathematics, physics, electronics, navigation, and meteorology on the basis of institutional evaluation (12/68).

AF-1715-0721

1. WEAPONS CONTROLLER (ECCM OPERATIONS OFFICER)/ELECTRONIC WARFARE COUNTERMEASURES SPECIALIST
   (Weapons Controller (ECCM Operations Officer))
2. WEAPONS CONTROLLER (ECCM OPERATIONS OFFICER)

Course Number: *Version 1:* 3ALR27631; 3OLR1741D. *Version 2:* OBR1741D.

Location: *Version 1:* School of Applied Aerospace Sciences, Keesler AFB, MS. *All Versions:* 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 10–14 weeks (394–420 hours). *Version 2:* 44 weeks (1320 hours).

Exhibit Dates: *Version 1:* 11/67–12/73. *Version 2:* 2/64–10/67.

Objectives: To train personnel as weapons controllers.

Instruction: *All Versions:* Lectures and practical exercises in electronic principles, circuitry, and functions and duties of an ECCM operations officer. *Version 1:* Topics include basic application of electronic principles, description and principles of electronic circuitry included in typical current radars, data processing and data transmission equipment, comprehensive theory of electronic countermeasures and counter-countermeasures, circuits used to effect ECM and ECCM, duties of Radar Inputs and Countermeasures Officer position, and practical applications of ECCM equipment in a simulated ECM environment. *Version 2:* Topics include development of electronic principles and applications to electronic equipment, technical publications, functional block diagrams, including operational adjustments of modern AC & W radar equipment, principles of data processing equipment, recognition and identification of jamming and the use, application, and operation of appropriate ECCM devices available to counteract the effects of undesirable signals.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 1 semester hour in electrical laboratory on the basis of institutional evaluation (7/74). *Version 2:* In the upper-division baccalaureate category, 1 semester hour in electrical laboratory on the basis of institutional evaluation (7/74).

AF-1715-0722

1. Computer Maintenance Officer
   (Electronic Computer Maintenance Officer)
2. Electronic Computer Maintenance Officer

Course Number: *Version 1:* 3OBR3061. *Version 2:* OBR3061.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 34-41 weeks (1020-1230 hours). *Version 2:* 46 weeks (1380 hours).

Exhibit Dates: *Version 1:* 11/65-Present. *Version 2:* 9/62-10/65.

Objectives: To train computer maintenance personnel in computer systems maintenance programming and functional analysis.

Instruction: *All Versions:* Lectures and practical exercises in introductory computer programming, solid-state computer system electrical and mechanical components analysis, central processor logic analysis and maintenance programming, and communications security. *Version 2:* Instruction emphasizes vacuum tube electronics.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 5 semester hours in computer principles, and credit in basic electronics on the basis of institutional evaluation (6/74). *Version 2:* In the upper-division baccalaureate category, 6 semester hours in computer principles, 2 in maintenance management, 4 in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (6/74).

AF-1715-0724

1. Missile Mechanic (LGM-25)
2. Missile Mechanic (LGM-25C)
   (Missile Mechanic (SM-68B))

Course Number: *Version 1:* 3ABR44330E-4; ABR44330E-4. *Version 2:* ABR44330E-2.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 11-18 weeks (330-510 hours). *Version 2:* 6 weeks (180 hours).

Exhibit Dates: *Version 1:* 4/66-12/73. *Version 2:* 8/62-3/66.

Objectives: To train enlisted personnel as missile mechanics.

Instruction: *All Versions:* Lectures and practical exercises in missile repair, including weapon system familiarization; launch complex and facility systems; missile-handling equipment; missile installation and removal; and operation, function, and maintenance of missile systems. *Version 1:* Topics include principles of mechanics; fundamentals of AC and DC; motors, generators, and malfunction analysis; electronics and rocket engines; mass spectrometer function, operation, and maintenance; technical orders and maintenance system; missile components; and propulsion system, maintenance equipment, and maintenance.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in physics (mechanics) and electricity on the basis of institutional evaluation (7/74). *Version 2:* Credit is not recommended because of the military-specific nature of the course (7/74).

AF-1715-0725

Missile Launch Equipment Repairman, WS-133B
(Ballistic Missile Launch Equipment Repairman, WS-133B)

Course Number: ABR31430H; ABR31236G-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 34-35 weeks (930-960 hours).

Exhibit Dates: 3/65-12/68.

Objectives: To train airmen as ballistic missile launch equipment repairmen (WS-133B).

Instruction: Lectures and practical exercises on WS-133B ballistic missile launch equipment including electronic principles, system familiarization, maintenance ground equipment test sets, message-processing control group, terminal digital data system, and signal data converter set.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0726

1. Missile Mechanic (CGM-13B, MMC)
2. Missile Mechanic (CGM-13B)
   (Missile Mechanic (MACE, MGM-13C))
3. Missile Mechanic (MACE, MGM-13C)
   (Missile Mechanic Tactical (TM-76B))

Course Number: *Version 1:* 3ABR44330L-2. *All Versions:* ABR44330L-2.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 22-24 weeks (646-700 hours). *Version 2:* 19-21 weeks (540 hours). *Version 3:* 24 weeks (630 hours).

Exhibit Dates: *Version 1:* 9/66-12/73. *Version 2:* 4/64-8/66. *Version 3:* 10/62-3/64.

Objectives: To train enlisted personnel to assist in handling, transporting, assembling, disassembling, servicing, inspecting, and aligning of CGM-13C missiles.

Instruction: *All Versions:* Lectures and practical exercises in the handling, transporting, assembly, disassembly, servicing, inspection, and alignment of CGM-13C missiles. *Version 1:* Course includes weapon systems, Basic Electricity I and II, aerodynamics and propulsion, basic hydraulics, missile systems and handling, and tractor and trailer operations. *Version 2:* Course includes Basic Electricity III, basic physics, dropped-tractor and trailer operations. *Version 3:* Course includes Basic Physics II and Basic Electricity IV.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0727

1. Missile Mechanic (MGM-13B)
2. Missile Mechanic (MACE, MGM-13B)
   (Missile Mechanic Tactical (TM-76A))

Course Number: ABR44330L-1.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 21 weeks (540 hours). *Version 2:* 24 weeks (630 hours).

Exhibit Dates: *Version 1:* 4/64-12/68. *Version 2:* 10/62-3/64.

Objectives: To train enlisted personnel to assist in the handling, transporting, assembly, disassembly, servicing, inspection, and alignment of an MGM-133 missile.

Instruction: *All Versions:* Lectures and practical exercises in the handling, transporting, assembly, disassembly, servicing, inspection, and alignment of an MGM-133 missile. *Version 1:* Course includes weapon systems; basic physics; Basic Electricity I, II, and III; aerodynamics; propulsion; hydraulic systems; missile systems; and erection, maintenance, assembly, and inspection procedures. *Version 2:* Course includes Basic Electricity IV and maintenance forms and systems.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0728

High Reliability Soldering and Connections

Course Number: 3AZR30000-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 2 weeks (60 hours).

Exhibit Dates: 12/71-12/73.

Objectives: To train maintenance personnel to perform high-reliability soldering on components and modules of printed circuits and on the various terminals used in modern electronic equipment.

Instruction: Lectures and practical exercises in high-reliability soldering and connections, including high-reliability soldering; soldering terminals; printed circuit board soldering; removal of coatings and potting compounds; component removal and replacement, board repair and recoating.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1715-0729

Missile Mechanic, WS-133A/A-M
(Missile Mechanic, WS-133A)
(Missile Mechanic, SM-80)

Course Number: 3ABR44330G; ABR44330G.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 15-19 weeks (420-546 hours).

Exhibit Dates: 8/62-12/73.

Objectives: To train enlisted personnel to maintain WS-133A/A-M missile systems.

Instruction: Lectures and practical exercises in WS-133 A/A-M missile systems maintenance, including electrical fundamentals, missile familiarization, launch facility support systems, and missile-handling and -transporting equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0730

MISSILE MECHANIC, WS-133A/A-M

Course Number: 3ALR44330G-3; ALR44330G-3.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 11-12 weeks (342-354 hours).

Exhibit Dates: 9/65-12/73.

Objectives: To train enlisted personnel to maintain WS-133A/A-M missile systems.

Instruction: Lectures and practical exercises in WS-133A/A-M missile systems maintenance, including electrical fundamentals, missile familiarization, launch facility support systems, and missile-handling and -transporting equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0731

1. MISSILE SYSTEMS ANALYST SPECIALIST, WS-133B
2. MISSILE SYSTEMS ANALYST SPECIALIST, WS-133B (Ballistic Missile Analyst Specialist, WS-133B)

Course Number: *All Versions:* 3ABR31630H. *Version 2:* ABR31630H; ABR31234G-1.

Location: *Version 1:* School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL. *Version 2:* 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 29 weeks (882-1125 hours). *Version 2:* 37 weeks (1020 hours).

Exhibit Dates: *Version 1:* 8/72-12/73. *Version 2:* 3/65-7/72.

Objectives: To train enlisted personnel to operate, inspect, and maintain missile systems.

Instruction: Lectures and practical exercises in basic electronics, including AC and DC circuits, resonance, introduction to magnetism, AC and DC motors and synchros, electron tubes, power supplies, regulators, multivibrators, blocking oscillators, AM modulation and demodulation, transmission lines, antennas, transmitters, waveguides, cavity resonators, UHF and microwave oscillators and amplifiers, and use of the oscilloscope in circuit measurement; missile system maintenance, including launch control and power systems, launch environmental control system, UHF and medium-frequency radio subsystems, missile guidance and control systems, interconnecting control cables, test methods and message-processing methods, alignment techniques, check-out, and troubleshooting procedures.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0732

MISSILE SYSTEMS ANALYST SPECIALIST, WS-133B

Course Number: ALR31630H.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 20 weeks (600 hours).

Exhibit Dates: 6/66-12/68.

Objectives: To train enlisted personnel to operate, inspect, and maintain missile systems.

Instruction: Lectures and practical exercises in basic electronics, including AC and DC circuits, resonance, introduction to magnetism, AC and DC motors and synchros, electron tubes, power supplies, regulators, multivibrators, blocking oscillators, AM modulation and demodulation, transmission lines, antennas, transmitters, waveguides, cavity resonators, UHF and microwave oscillators and amplifiers, and use of the oscilloscope in circuit measurement; and missile system maintenance, including launch control and power systems, launch environmental control system, UHF and medium-frequency radio subsystems, missile guidance and control systems, interconnecting control cables, test methods and message-processing methods, alignment techniques, check-out, and troubleshooting procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0733

AN/GPS-T4 FIELD AND ORGANIZATIONAL (F & O) MAINTENANCE

Course Number: ATS30352-10.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 4 weeks (120 hours).

Exhibit Dates: 3/62-12/68.

Objectives: To train selected enlisted personnel to operate, maintain, and repair a radar signal simulator.

Instruction: Lectures and practical exercises in the maintenance, repair, and operation of a radar signal simulator. Course includes familiarization and function, assemblies and components, inspection, testing, alignment, and calibration.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0735

WEAPONS MAINTENANCE TECHNICIAN (AGM-69A)

Course Number: 3AZR46270-1.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 3 weeks (90 hours).

Exhibit Dates: 8/71-12/73.

Objectives: To train personnel as missile maintenance technicians.

Instruction: Lectures and external missile systems; pylons and bomb racks; test equipment; troubleshooting; maintenance, repair, and replacement of components; handling; and bombing procedures.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (7/74).

AF-1715-0736

NUCLEAR WEAPONS MECHANICAL SPECIALIST

Course Number: ABR46330.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 15 weeks (420 hours).

Exhibit Dates: 10/59-12/68.

Objectives: To train airmen to perform the duties of apprentice nuclear weapons mechanical specialists.

Instruction: Course covers the use of test and precision measuring equipment, identification of weapons components, disassembly and assembly of equipment, cleaning and testing, replacement and repairs, storage and inspection, and packing and shipments.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (7/74).

AF-1715-0737

AIR TRAFFIC CONTROL RADAR REPAIRMAN (AN/TPN-12)

Course Number: AZR30351.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 5 weeks (150 hours).

Exhibit Dates: 11/60-12/68.

Objectives: To train airmen to operate, maintain, and repair a specific air traffic control radar set.

Instruction: Lectures and practical exercises in the maintenance, installation, and repair of air traffic control radar set AN/TPN-12, including circuit analysis, testing, alignment, troubleshooting, and analysis and use of associated test equipment. Course is highly equipment oriented.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (12/68).

AF-1715-0738

GROUND RADIO COMMUNICATIONS EQUIPMENT REPAIRMAN (AN/FRT-49, AN/GKA-5)
(Ground Radio Equipment Repairman (AN/FRT-49, AN/GKA-5))

Course Number: 3AZR30454-10.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS; 3380th Technical School, Keesler AFB, MS.

Length: 5-6 weeks (150-180 hours).

Exhibit Dates: 2/70-12/73.

Objectives: To train personnel in the operation and maintenance of the AN/GKA-5 flight control group and the AN/FRT-49 power amplifier.

Instruction: Lectures and practical exercises in fundamentals; multiplexer, simulator, control monitor, and system maintenance; and the AN/FRT-49 power amplifier, including introduction to SAGE, binary mathematics and Boolean algebra, transistor theory, printed circuit boards, system data flow and message structure, multiplexer group logic analysis, dual versus single line operation, multiplexer trouble analysis, klystron theory, and control circuit analysis.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1715-0739

ELECTROMAGNETIC COMPATIBILITY

Course Number: 3AZR30070.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS.

Length: 4 weeks (120 hours).

Exhibit Dates: 8/68-12/73.

Objectives: To train airmen to obtain measurements of radio frequency interference and radiation hazards.

Instruction: Lectures and practical exercises to include radio frequency interference and radiation hazards; calculations; noise and field intensity measurement techniques; use of spectrum analysis; use of power density meters; and basic mathematics including powers of tens and common logarithms.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1716-0001

1. Fabric and Rubber Products Specialist
2. Fabric, Leather and Rubber Products Repairman

Course Number: *Version 1:* 3ABR58230. *Version 2:* AB58230.

Location: Chanute Technical Training Center, Chanute AFB, IL.

Length: *Version 1:* 11–14 weeks (330–390 hours). *Version 2:* 18 weeks (510 hours).

Exhibit Dates: *Version 1:* 9/60–12/73. *Version 2:* 5/58–8/60.

Objectives: To train airmen to inspect, maintain, repair, and fabricate items made of fabric, leather, rubber, and other materials.

Instruction: *All Versions:* Lectures and practical exercises in the inspection, maintenance, repair, and fabrication of items made of fabric, rubber, and other materials, including operation and maintenance of sewing machines; repair and alteration of flying and aircrew protective clothing and survival equipment; covering and doping of aircraft control surfaces; repair and fabrication of protective covers for ground support equipment; repair of life preservers and rafts; and practical work with leather. *Version 1:* Includes maintenance of fire-fighter and high-altitude clothing *Version 2:* Includes identification, construction, handling and storage of aircraft fuel cells, bladder cells, tires and tubes, deicer shoes, and ground radomes.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in textile fabrication (6/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in textile fabrication (6/74).

AF-1716-0002

Fabric and Leather Worker

Course Number: AB58131.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 16 weeks (450 hours).

Exhibit Dates: 6/55–12/68.

Objectives: To train enlisted personnel as apprentice fabric and leather workers.

Instruction: Lectures and practical exercises in fabric and leather repair. Course includes fundamentals; inspection, repair, design, and fabrication of protective covers and flight-line equipment; inspection, repair, and fabrication of airplane upholstery; inspection, repair, and alteration of flight clothing and aircrew protective and survival equipment; and fabrication, installation, and doping of fabric covers on airplane surfaces.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1716-0003

Maintenance of Survival and Aircrew Protective Equipment (Fabric, Leather, and Rubber)

(Maintenance of Survival and Aircrew Protective Equipment (Fabric and Leather))

Course Number: ATS58250-6; ATS58250-4.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 3–4 weeks (90–120 hours).

Exhibit Dates: 8/58–12/68.

Objectives: To train enlisted personnel to inspect and maintain fabric, leather, and rubber aircrew protective clothing and survival equipment.

Instruction: Lectures and practical exercises in the inspection and maintenance of fabric, leather, and rubber aircrew protective clothing and survival equipment. Course includes sewing machine operation and maintenance; inspection, repair and alteration of flying clothing and equipment; and inspection and repair of rubberized survival equipment.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1716-0004

Laundry Machine Operator

Course Number: AB64430.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 4 weeks (160 hours).

Exhibit Dates: 3/55–12/68.

Objectives: To train enlisted personnel to operate and maintain power-driven laundry machines.

Instruction: Lectures and practical exercises in the operation and maintenance of power-driven laundry machines. Course includes receiving and marking of clothing; washroom operations; flatwork ironer; pressing operations; sorting and shipping; plant equipment; dry cleaning; and mobile laundry operations.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1717-0001

Propulsion Shop Management

Course Number: *Version 1:* 3AZR43270-9. *Version 2:* AZR43270-9.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 3–4 weeks (114–144 hours). *Version 2 :* 3–4 weeks (114 hours).

Exhibit Dates: *Version 1:* 7/68–12/73. *Version 2:* 1/67–6/68.

Objectives: To train enlisted personnel to manage a propulsion shop.

Instruction: Lectures and practical exercises in forecasting, work authorization, product and process planning, material control and management, scheduling and loading, dispatching, progress reporting, and corrective actions.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the upper-division baccalaureate category, 2 semester hours in shop management (12/68).

AF-1717-0002

1. Aircraft Maintenance Staff Officer

   (Aircraft Maintenance Management Officer)
2. Aircraft Maintenance Management Officer

   (Aircraft Maintenance Officer)

Course Number: *Version 1:* 3OAR4311. *All Versions:* OAR4311. *Version 2:* OA4311.

Location: 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 6 weeks (168–198 hours). *Version 2:* 8–9 weeks (264–270 hours).

Exhibit Dates: *Version 1:* 3/62–12/73. *Version 2:* 5/56–2/62.

Objectives: To train enlisted personnel to perform as aircraft maintenance staff officers.

Instruction: Lectures and practical exercises in personnel management, human relations, maintenance policies, communicative skills, statistics and maintenance data collection, material control, quality control, aircraft accident investigation procedures, records and reports, and administrative and technical publications familiarization.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in shop management (12/68). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in shop management (12/68).

AF-1717-0003

Aircraft Maintenance Officer

Course Number: *Version 1:* 3OBR4021. *Version 2:* 3OBR4341; OBR4341. *Version 3:* OBR4341. *Version 4:* OBR4341.

Location: *Version 1:* School of Applied Aerospace Sciences, Chanute AFB, IL. *Version 2:* 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 20–21 weeks (600–630 hours). *Version 2:* 30–31 weeks (900–918 hours). *Version 3:* 32 weeks (960 hours). *Version 4:* 35 weeks (1050 hours).

Exhibit Dates: *Version 1:* 3/71–12/73. *Version 2:* 6/62–2/71. *Version 3:* 12/60–5/62. *Version 4:* 3/55–11/60.

Objectives: To provide officers with training in aircraft maintenance procedures and management.

Instruction: *All Versions:* Lectures and practical experience in aircraft maintenance and management, including aircraft systems, components, and equipment familiarization; management and supervision; oral and written communications skills; human relations; and aircraft maintenance officer organizational and administrative duties and responsibilities. *Version 2:* Theory of flight; management principles. *Version 3:* Theory of flight; management principles. *Version 4:* Theory of flight; management principles.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 5 semester hours in business organization and management and additional credit in business organization and management on the basis of institutional evaluation (3/74). *Version 2:* In the upper-division baccalaureate category, 6 semester hours in business organization and management, 2 in personnel management (12/68). *Version 3:* In the upper-division baccalaureate category, 6 semester hours in business organization and management, 2 in personnel management (12/68). *Version 4:* In the upper-division baccalaureate category, 7 semester hours in business organization and management and additional credit in business organization and maintenance on the basis of institutional evaluation (12/68).

AF-1717-0004

Aircraft Maintenance/Avionics Officer Accelerated

Course Number: 3OBR4021; 3OBR4041-1.

Location: School of Applied Aerospace Science, Chanute AFB, IL.

Length: 6 weeks (168-222 hours).

Exhibit Dates: 8/72-12/73.

Objectives: To train officers in aircraft maintenance and avionics maintenance management.

Instruction: Lectures and practical exercises in the principles and concepts of maintenance management; personnel relations; maintenance organizations; planning and scheduling; manpower utilization and control; analysis; communicative skills; and associated supply and materiel functions.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in business organization and management (3/74).

AF-1717-0006

1. Aircraft Maintenance Technician, Jet Engine Aircraft
2. Aircraft Maintenance Technician, Jet Engine Aircraft (Aircraft Maintenance Technician, Jet Engine Type Aircraft)
3. Aircraft Maintenance Technician (Jet Engine Type Aircraft)

Course Number: *Version 1:* AAR43171E. *Version 2:* AAR43171E; AAR43171D. *Version 3:* AAR43171D; AA43171D.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 14 weeks (420 hours). *Version 2:* 16 weeks (480 hours). *Version 3:* 14 weeks (420 hours).

Exhibit Dates: *Version 1:* 7/65-12/68. *Version 2:* 3/60-6/65. *Version 3:* 11/55-2/60.

Objectives: To train aircraft mechanics in maintenance management of jet engine aircraft.

Instruction: Lectures and practical exercises in supervision of maintenance personnel; publications and aircraft records; aircraft electric, hydraulic, fuel, indicator, and flight control systems; structural maintenance; corrosion control; weight and balance instruments; and jet engines, starters, and ground equipment.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in shop management (12/68).

AF-1717-0007

Work Center Supervisor (AN/GPA-73)

Course Number: 2ASR30573-61.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 8 weeks (240 hours).

Exhibit Dates: 9/68-12/73.

Objectives: To train enlisted personnel to supervise maintenance of the 412L air weapons control system.

Instruction: Lectures and practical exercises in air weapons control systems familiarization, special test equipment, detector-tracker equipment, data link equipment, display groups, block-diagram and module-by-module operation of system components, and system maintenance.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1717-0008

GCA Radar Officer

Course Number: OB3041A.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 12 weeks (360 hours).

Exhibit Dates: 5/54-12/68.

Objectives: To train officers in radar system operation and maintenance.

Instruction: Lectures and practical exercises in radar system operation and maintenance, including radar system general characteristics, AC and DC circuit fundamentals, electron tubes and amplifiers, transmitters and receivers, transient circuits, microwave propagation, and management and security concepts and practices.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in maintenance management (4/74).

AF-1717-0009

1. Programs and Work Control Specialist
2. Maintenance and Control Specialist

Course Number: 3ALR55530-3.

Location: *Version 1:* School of Applied Aerospace Sciences, Sheppard AFB, TX. *All Versions:* 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 8-9 weeks (240-320 hours). *Version 2:* 10 weeks (300 hours).

Exhibit Dates: *Version 1:* 5/69-12/73. *Version 2:* 11/67-4/69.

Objectives: To train airmen to perform as programs and work control or maintenance and control specialists.

Instruction: Lectures and practical exercises in programs and work control or maintenance and control, including planning or maintenance of plumbing and interior electric systems, scheduling procedures, and use of automatic data management systems. Includes program planning with emphasis on automation; planning structural, protective coating, masonry, and multishop work; production control, repair and maintenance of buildings and installed appliances; trouble analysis of low voltage electrical circuits; and planning fundamentals.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in engineering management (5/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in maintenance management (12/68).

AF-1717-0010

Consolidated Maintenance Management (TAC)

Course Number: OZR4341-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 4 weeks (108-120 hours).

Exhibit Dates: 9/59-12/68.

Objectives: To train officers in consolidated maintenance management.

Instruction: Lectures and practical exercises in the consolidated aircraft maintenance program as employed by the Tactical Air Command (TAC), including TAC consolidated maintenance concept; functions of management, principles of leadership, and administration; responsibilities of director of materiel, chief of maintenance, and the squadron commander; training control branch, standardization branch, maintenance control, and quality control branch; consolidated aircraft maintenance squadron; and base supply support to consolidated maintenance.

Credit Recommendation: Credit is not recommended because of the military military-specific of the course (6/74).

AF-1717-0011

Consolidated Maintenance Management (ADC)

Course Number: OZR4341.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 3 weeks (78-90 hours).

Exhibit Dates: 6/59-12/68.

Objectives: To train commissioned and warrant officers to manage and administrate a consolidated maintenance program.

Instruction: Lectures and practical exercises in consolidated maintenance management. Course includes administration procedures, organization, documentation, production control, performance standards and review, workloads and schedules, property and financial management, and quality control.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in maintenance management (12/68).

AF-1717-0012

1. Aerospace Ground Equipment Repair Technician
2. Aerospace Ground Equipment Repair Technician
3. Aerospace Ground Equipment Repair Technician
4. Aircraft and Missile Ground Support Equipment Repair

Course Number: *Version 1:* 3AAR42173. *Version 2:* 3AAR42173. *Version 3:* AAR42173. *Version 4:* AAR42172.

Location: 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 8 weeks (320 hours). *Version 2:* 8 weeks (240 hours). *Version 3:* 11-12 weeks (330-360 hours). *Version 4:* 12 weeks (480 hours).

Exhibit Dates: *Version 1:* 7/73-12/73. *Version 2:* 2/70-6/73. *Version 3:* 10/62-1/70. *Version 4:* 2/61-9/62.

Objectives: To train airmen to repair and maintain aerospace ground equipment at the intermediate level.

Instruction: *All Versions:* Lectures and practical exercises in the repair and maintenance of aerospace ground equipment, including electrical and electronic circuits, components, and test equipment, and the troubleshooting and maintenance of electric motors, gasoline engines, gas turbines, motors, engines, turbine-driven generator sets, air compressors, hydraulic support equipment, cabin leakage testers, ground heaters, and equipment coolers. *Version 3:* Includes pressurizing equipment. *Version 4:* Includes pressurizing equipment.

Credit Recommendation: *Version 1:* See explanatory note at the beginning of the Air Force section. *Version 2:* In the upper-division baccalaureate category, 2 semester hours in shop management (12/68). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in shop management (12/68). *Version 4:* In the upper-division baccalaureate category, 2 semester hours in shop management (12/68).

AF-1717-0014

Aircraft Maintenance Officer Accelerated

Course Number: 3OBR4021-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 8 weeks (240 hours).

Exhibit Dates: 3/71-12/73.

Objectives: To train selected commissioned officers to maintain aircraft.

Instruction: Lectures and practical exercises in the duties and responsibilities of an aircraft maintenance officer. Course includes instruction in aircraft maintenance management policies and techniques; personnel relations; maintenance organizations; planning and scheduling; manpower utilization and control; maintenance data collection and analysis; communicative skills; associated supply and material functions; and related aircraft activities.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in aircraft maintenance management (6/74).

AF-1717-0015

MISSILE OFFICER, WS-133A
(Missile Officer, SM-80)

Course Number: OZR3121G-1; OZR3121D-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 7-9 weeks (222-270 hours).

Exhibit Dates: 7/62-12/68.

Objectives: To train officers to supervise missile maintenance and alignment on the WS-133A weapon system.

Instruction: Lectures and practical exercises in WS-133A weapons system familiarization, missile facility systems, electronics, missile alignment, missile targeting, launch control and launch facilities, and maintenance management and responsibilities.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in shop management (12/68).

AF-1717-0016

MISSILE OFFICER, WS-133A

Course Number: 3OBR3121G; OBR3121G; OBR3121G-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 12-15 weeks (360-450 hours).

Exhibit Dates: 12/64-12/73.

Objectives: To train officers as missile officers for 133A weapons systems.

Instruction: Lectures and practical exercises in 133A weapons systems, including DC and AC circuits, generators and motors, solid-state devices, communications, power systems, guidance and control systems, operation and control of launch complex mechanical systems, maintenance management, weapon systems and electrical test equipment and troubleshooting procedures.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in shop management (12/68).

AF-1717-0017

MISSILE OFFICER, WS-133A

Course Number: OZR3121G.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 8-9 weeks (240-270 hours).

Exhibit Dates: 11/65-12/73.

Objectives: To train officers as missile officers for 133A weapons systems.

Instruction: Lectures and practical exercises in 133A weapons systems, including DC and AC circuits, generators and motors, solid-state devices, communications, power systems, guidance and control systems, operation and control of launch complex mechanical systems, maintenance management, aerospace ground equipment and testing equipment, and troubleshooting procedures.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in shop management (12/68).

AF-1717-0018

MISSILE OFFICER, WS-133B

Course Number: OZR3121G-2.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 8 weeks (240 hours).

Exhibit Dates: 4/65-12/68.

Objectives: To train officers as missile officers for WS-133B systems.

Instruction: Lectures and practical exercises in the duties of missile officers, including missile maintenance management; transportation and handling; troubleshooting and maintenance of WS-133B missile systems; logistics and administrative procedures; aerospace ground equipment and electronics; test equipment; launch facility equipment; and missile alignment and targeting procedures.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in shop management (12/68).

AF-1717-0019

MISSILE OFFICER, WS-133A-M

Course Number: OBR-3121G-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 13 weeks (390 hours).

Exhibit Dates: 6/67-12/68.

Objectives: To train officers as WS-133A-M missile maintenance officers.

Instruction: Lectures and practical exercises in WS-133A-M missile maintenance activities, including fundamentals and theory of missile electrical and electronic systems, operation and control of launch complex mechanical systems, maintenance management, transport and handling, aerospace ground equipment, test equipment and troubleshooting procedures, targeting and alignment tasks of the weapon system, system configuration to the block-diagram level, and principles of guidance and control systems.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in shop management (12/68).

AF-1717-0020

ENGINE MANAGER

Course Number: 3AZR64570-3.

Location: School of Applied Aerospace Sciences, Lowry AFB, CO.

Length: 2 weeks (60-80 hours).

Exhibit Dates: 2/73-Present.

Objectives: To train enlisted personnel as engine managers at base level.

Instruction: Lectures and practical exercises in the duties of engine managers, including inventory control, storage and transportation methods, accounting, and supply and maintenance management.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (7/74).

AF-1717-0021

GROUND EQUIPMENT MAINTENANCE OFFICER

Course Number: OBR4381; OB4381.

Location: *Version 1:* 3345th Technical School, Chanute AFB, IL. *Version 2:* 3450th Technical School, Warren AFB, WY.

Length: 9-10 weeks (270-300 hours).

Exhibit Dates: 4/54-12/68.

Objectives: To train officers to perform as ground equipment maintenance officers.

Instruction: Lectures and practical exercises in the duties of ground equipment maintenance officers, including motorized and miscellaneous equipment and maintenance functions; maintenance shop organization and layout; and personnel management, supervision and training.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in shop management (12/68).

AF-1717-0022

MISSILE MAINTENANCE OFFICER, WS-133

Course Number: 2OSR3121G-3.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL.

Length: 4-5 weeks (159-191 hours).

Exhibit Dates: 7/73-12/73.

Objectives: To train officers as Minuteman missile maintenance officers.

Instruction: Lectures and practical exercises in duties of Minuteman missile maintenance officers, including weapon system, fundamentals of missile electrical and electronic systems, fundamentals of guidance and control system, weapon system mechanical systems, missile maintenance management, fundamentals of WS-133 targeting and alignment, launch control facility system, and ground handling equipment.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1717-0023

MAINTENANCE MANAGEMENT

Course Number: OZR0066-2.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 4 weeks (108 hours).

Exhibit Dates: 1/63-12/68.

Objectives: To train enlisted personnel to understand maintenance management concepts and procedures.

Instruction: Lectures and practical exercises in maintenance management concepts and procedures. Course includes reporting, principles of management, managerial analysis and control, materials management, quality control and inspection procedures.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in maintenance management (12/68).

AF-1717-0024

AEROSPACE MUNITIONS STAFF OFFICER

Course Number: *All Versions:* 3OAR4611. *Version 2:* OAR4611.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 4-8 weeks (120-240 hours). *Version 2:* 13 weeks (390 hours).

Exhibit Dates: *Version 1:* 8/68-12/73. *Version 2:* 8/66-7/68.

Objectives: To train commissioned officers to perform as aerospace munitions staff officers.

Instruction: Lectures and practical exercises in the duties of an aerospace munitions staff officer. Course includes munitions management, budget estimating, research and development, and special military subjects.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 1 semester hour in principles of management (8/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in principles of management, and credit in oral and written communication on the basis of institutional evaluation (12/68).

AF-1717-0025

AIR FORCE BASE LEVEL MAINTENANCE MANAGEMENT

Course Number: 212.

Location: School of Systems and Logistics, Wright-Patterson AFB, OH.

Length: 2-3 weeks (84-90 hours).

Exhibit Dates: 12/69-6/74.

Objectives: To train base-level maintenance supervisors in management skills and maintenance management techniques.

Instruction: Lectures and practical exercises in management skills and maintenance management techniques, including maintenance in the USAF, management overview, equipment readiness, manpower management, configuration control, EOQ, remote terminal exercise, maintenance data collection, integrated logistics support, data processing and computer science, repair-cycle asset control, management engineering, Comm/Acft Main-Man-X, review management survey and management improvements, decision making, motivation, interrelations-supply/maintenance, and Log-Man-X Policy.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 1 semester hour in principles of management (8/74); in the upper-division baccalaureate category, 1 semester hour in principles of management (8/74).

AF-1720-0001

RADIOGRAPH INTERPRETER

Course Number: ATS53270-14.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 3 weeks (90 hours).

Exhibit Dates: 12/61-12/68.

Objectives: To train selected enlisted personnel to use radiographic equipment in the nondestructive testing of materials.

Instruction: Lectures and practical exercises in the use of radiographic equipment in the nondestructive testing of materials. Topics include radiographic theory, radiographic equipment, laboratory operations, and the physical interpretation of radiographs.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1721-0001

INSTRUMENT REPAIRMAN

Course Number: 3ABR42230; AB42230.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL.

Length: 12-19 weeks (360-540 hours).

Exhibit Dates: 11/54-12/73.

Objectives: To train airmen to perform as instrument repairmen.

Instruction: Lectures and practical exercises in the operation, installation, maintenance, testing, and repair of mechanical and electrical aircraft instruments, including fundamentals of electricity, physics of the atmosphere, and mechanical systems; calibration and troubleshooting of engine instruments, fuel flow and liquid quantity-indicating systems, air pressure-operated flight instruments, gyro-operated flight instruments, magnetic compasses and periscopic sextants; and use of barometric, electrical and special test sets.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1721-0002

INSTRUMENT REPAIR TECHNICIAN

Course Number: *Version 1:* 3AAR42270. *Version 2:* AAR42270; AA42270.

Location: 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 9 weeks (258 hours). *Version 2:* 12-16 weeks (348-480 hours).

Exhibit Dates: *Version 1:* 9/68-12/73. *Version 2:* 3/58-8/68.

Objectives: To train airmen as instrument repair technicians.

Instruction: *All Versions:* Lectures and practical exercises in instrument repair, including basic electronics, solid-state devices; operation, circuit analysis, troubleshooting, and calibration of liquid quantity-indicating systems, air pressure-operated flight instruments, engine instruments, gyro-operated flight instruments and compass systems; and operation of test equipment such as air pressure-operated barometers and manometers and special test sets for instrument systems. *Version 2:* Includes management and supervision, electronic/transistorized air data computers, electronic air speed and mach number computers, integrated vertical scale flight instruments, and periscopic sextants.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in basic electricity on the basis of institutional evaluation (6/74). *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1721-0003

B52H, A-14 AUTOPILOT, AN/AJN-8 HVRS AND MD-1 ASTRO COMPASS

Course Number: ATS42353-21.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 15 weeks (450 hours).

Exhibit Dates: 7/61-12/68.

Objectives: To train enlisted personnel to inspect, repair, and maintain the A-14 autopilot, AN/AJN-8 HVRS, and MD-1 astrocompass (B-52H).

Instruction: Lectures and practical exercises in the inspection, repair, and maintenance of the A-14 autopilot. Course includes construction features, function, and interrelationship of the J-A compass; celestial navigation; operation of MD-1 astrocompass system; MD-1 inspection and maintenance; operation of AN-ASN-8 HVRS; AN/AJN-8 malfunction analysis; system, field, and bench testers; and the A-14 autopilot system.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1721-0004

AN/GMD-2 (RAWINSONDE) FIELD AND ORGANIZATION MAINTENANCE

Course Number: ATS30270-23.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 5 weeks (150 hours).

Exhibit Dates: 8/61-12/68.

Objectives: To train selected weather equipment technicians and repairmen to maintain the AN/GMD-2 rawin set.

Instruction: Lectures and practical exercises in the maintenance of the AN/GMD-2 rawin set. Course includes introduction and orientation, system analysis, operational adjustments, and preventive maintenance and repair of the AN/GMD-2 rawin set.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1721-0005

BAKER-NUNN PHOTOGRAPHIC MAINTENANCE

Course Number: 18SS40450.

Location: 18th Surveillance Squadron, Edwards AFB, CA.

Length: 6 weeks (180 hours).

Exhibit Dates: 3/73-Present.

Objectives: To familiarize airmen with the maintenance of the Baker-Nunn optical system.

Instruction: Lectures and practical exercises in the maintenance of the Baker-Nunn optical system, including orientation; spacetrack organization and mission; camera theory and operation; orbital mechanics; field reduction; precision reduction; maintenance management and planning; publications; maintenance reporting procedures; corrosion prevention and control; specific optical camera theory; focus procedures; shutter drive mechanism; camera takeup motor; tracking mechanism; equatorial, azimuth, and altitude drive; Versamat theory of operation; Versamat electrical components and calibration; Versamat film jams, racks, and crossovers; systems cleaning; dry box assembly; and quality control equipment.

Credit Recommendation: Insufficient data for evaluation (8/74).

AF-1721-0006

PRECISION DIMENSIONAL AND OPTICAL MEASURING TECHNICIAN

Course Number: 3AZR32470-8.

Location: School of Applied Aerospace Sciences, Lowry AFB, CO; 3415th Technical School, Lowry AFB, CO.

Length: 6 weeks (167-180 hours).

Exhibit Dates: 5/70-12/73.

Objectives: To train personnel to make precision measurements with dimensional and optical measuring principles and techniques.

Instruction: Lectures and practical exercises in metrology and applied mathematics; low, medium, and high resolution measuring devices; sources of error in linear measurements; interferometry and surface finish; threads; introduction to optics; geometry of reflection and refraction; lens systems; optical tooling instruments; and special optical devices.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1721-0007

PRECISION PHYSICAL MEASURING TECHNICIAN

Course Number: 3AZR2470-7.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 8 weeks (240 hours).

Exhibit Dates: 3/69-12/73.

Objectives: To train personnel to perform requisite duties as precision physical measuring technicians.

Instruction: Lectures and practical exercises to include applied mathematics; principles of heat and temperature, force, weights and balances, and rotary motion; measurements and calibration techniques; metrology and physical concepts; principles of pressure, humidity and specific gravity, and viscosity and flow.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in metrology (5/74).

AF-1723-0001

MACHINIST

Course Number: *Version 1:* 3ABR53130. *Version 2:* 3ABR53130; ABR53130. *Version 3:* AB53130.

Location: *Version 1:* School of Applied Aerospace Sciences, Chanute AFB, IL. *Version 2:* 3345th Technical School, Chanute AFB, IL. *Version 3:* 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 14 weeks (512 hours). *Version 2:* 14–15 weeks (420 hours). *Version 3:* 20 weeks (570 hours).

Exhibit Dates: *Version 1:* 7/73–12/73. *Version 2:* 3/61–6/73. *Version 3:* 2/55–2/61.

Objectives: To train enlisted personnel to be machinists.

Instruction: Lectures and practical exercises in drawing interpretation; applied shop mathematics; use of technical manuals; bench work and assembly practice; use of hand tools and precision measuring instruments; heat treatment; machine tool operations on drill presses, lathes, shapers, milling machines, contour machines, and precision grinders; and weapons and ground support equipment maintenance.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in machine trades or machine technology (5/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in machine trades or machine technology (5/74). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in machine trades or machine technology (5/74).

AF-1723-0002

MACHINIST

Course Number: *Version 1:* 3AZR53150-1. *Version 2:* AZR53150-1.

Location: *Version 1:* School of Applied Aerospace Sciences, Chanute AFB, IL. *Version 2:* 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 6 weeks (226 hours). *Version 2 :* 6 weeks (180 hours).

Exhibit Dates: *Version 1:* 7/73–12/73. *Version 2:* 8/66–6/73.

Objectives: To train enlisted personnel having technical backgrounds at the craftsman level to design and fabricate tools, dies, jigs, and fixtures for weaponry maintenance.

Instruction: Lectures and practical exercises in metals analysis; drawing interpretation; precision measurement; bench work; heat treatment; machine tool operations on gear cutters, lathes, milling machines, shapers, and tool and cutter grinders; and design and fabrication of jigs, fixtures, punches and dies for weaponry maintenance.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in machinist trades or mechanical technology (5/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in machinist trades or mechanical technology (5/74).

AF-1723-0003

1. HEAT TREATMENT AND ELECTROPLATING OF METALS
2. HEAT TREATMENT AND ELECTROPLATING OF METALS
3. HEAT TREATMENT OF FERROUS AND NON-FERROUS METALS

Course Number: *Version 1:* 3AZR53250-Z. *Version 2:* 3AZR53250-Z; AZR53250-Z. *Version 3:* ATS53270-11.

Location: *Version 1:* School of Applied Aerospace Sciences, Chanute AFB, IL. *Version 2:* 3345th Technical School, Chanute AFB, IL. *Version 3:* 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 5 weeks (186 hours). *Version 2:* 5 weeks (150 hours). *Version 3:* 4 weeks (120 hours).

Exhibit Dates: *Version 1:* 7/73–12/73. *Version 2:* 7/67–6/73. *Version 3:* 6/61–6/67.

Objectives: To train enlisted personnel to identify, classify, use, heat treat, electroplate, and test metals.

Instruction: *All Versions:* Lectures and practical exercises in the identification, classification, and uses of metals, and the heat treating, hardness testing, and electroplating of metals, including physical and mechanical properties of ferrous and nonferrous metals, structure of metals, various operations on ferrous and nonferrous metals, hardening and tempering of carbon and alloy steels, case hardening metals, and correction of heat treating troubles. *Version 1:* Includes metallographic study of grain structures, driver training, and leadership. *Version 2:* Includes metallographic study of grain structures. *Version 3:* Emphasis on practical skills in heat treatment of metals and alloys.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 3:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1723-0004

METALS PROCESSING SPECIALIST
(Welder)

Course Number: 3ABR53230; ABR53230; AB53230.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL.

Length: 15–19 weeks (420–552 hours).

Exhibit Dates: 2/55–12/73.

Objectives: To train airmen to operate and maintain welding equipment used in the repair and maintenance of aircraft, jet engine parts, and ground support equipment.

Instruction: Lectures and practical exercises in the operation and maintenance of welding equipment used in the repair and maintenance of aircraft, jet engine parts, and ground support equipment, including introductory gas welding, heat treatment and forging arc welding, welding fabrication, special arc welding applications, inert gas shielded welding, and aircraft and jet engine repair.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1723-0005

WELDING OF HIGH PERFORMANCE AIRCRAFT AND MISSILE SYSTEMS

Course Number: *All Versions:* 3AZR53250-3. *Version 2:* AZR53250-3.

Location: *Version 1:* School of Applied Aerospace Sciences, Chanute AFB, IL. *Version 2:* 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 5 weeks (138–143 hours). *Version 2:* 6 weeks (180 hours).

Exhibit Dates: *Version 1:* 6/72–12/73. *Version 2:* 8/67–5/72.

Objectives: To train enlisted personnel to weld high-performance and exotic materials.

Instruction: Lectures and practical exercises in high-performance and exotic-materials welding, including arc and inert gas shielded equipment, and joining of chromoloy, nickel alloys, titanium, carbon steel, and aluminum alloy.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1. *Version 2:* In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1724-0001

QUALITY CONTROL—MATERIALS AND PROCESSES

Course Number: ATS53270-13.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 3 weeks (90 hours).

Exhibit Dates: 4/60–12/68.

Objectives: To train personnel in the procedures and techniques of quality control of materials and processes.

Instruction: Lectures and practical exercises in quality control, including fabrication metallurgy as applied to various metals; principles of heat treatment; types and applications of welding processes; application of chemical milling; metal-surface cleaning and finishes; trends in industrial processes; destructive testing and the equipment utilized; and theory and practical application of non-destructive testing methods, such as metal particle, fluorescent penetrant, hardness, and bond testing.

Credit Recommendation: In the upper-division baccalaureate category, credit in metals testing on the basis of institutional evaluation (5/74).

AF-1724-0002

NON-DESTRUCTIVE TESTING OF AIRCRAFT AND RELATED EQUIPMENT COMPONENTS
(Non-Destructive Testing)

Course Number: ATS53270-3.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 3 weeks (90 hours).

Exhibit Dates: 8/58–12/68.

Objectives: To train enlisted personnel in the procedures or techniques used in performing nondestructive testing.

Instruction: Lectures, demonstrations, and practical exercises in nondestructive testing. Topics include: principles, types, causes, and characteristics of discontinuities; preparation and cleaning of parts for testing; protective finishes; theory and methods of magnetic particle, penetrant, ultrasonic, and industrial x-ray and gamma ray (radio isotopes) inspection methods applied to the fabrication, overhaul, and periodic inspection of aircraft parts.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in materials testing, nondestructive testing, machine trades, or industrial technology (5/74).

AF-1724-0003

Non-Destructive Inspection Specialist

Course Number: *Version 1:* 3ABR53630. *Version 2:* 3ABR53630; ABR53630.

Location: *Version 1:* School of Applied Aerospace Sciences, Chanute AFB, IL. *Version 2:* 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 12 weeks (432 hours). *Version 2:* 12-13 weeks (360 hours).

Exhibit Dates: *Version 1:* 7/73-12/73. *Version 2:* 6/67-6/73.

Objectives: To train enlisted personnel as nondestructive inspection specialists.

Instruction: Lectures and practical exercises in maintenance and inspection systems, magnetic particle and liquid penetrant inspection methods, radiography, x-ray equipment operation, radiographic inspection and film processing, ultrasonic flaw and leak detection, and thickness measurement and eddy current inspection.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 4 semester hours in materials testing, nondestructive testing, machine trades, and industrial technology (5/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in materials testing, nondestructive testing, machine trades, and industrial technology (5/74).

AF-1724-0004

Non-Destructive Inspection (T/A 455)

Course Number: AZR53250-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 12 weeks (360 hours).

Exhibit Dates: 2/66-12/68.

Objectives: To train enlisted personnel in nondestructive inspection of weapons and equipment.

Instruction: Lectures and practical exercises in nondestructive inspection techniques. Topics include the preparation of metals and parts for inspection; procedures used in the nondestructive inspection of parts; magnetic particle, penetrant, ultrasonic, eddy current, conductivity meter, ultrasonic leak and radiographic inspection methods; types, causes and characteristics of discontinuities and defects; scope and conditions requiring nondestructive inspection; interpretation and evaluation of indications found by various methods of inspection; specifications and standards for inspection regulations governing radioisotopes; and applicable safety methods.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in materials testing, nondestructive testing, machine trades, or industrial technology (5/74).

AF-1728-0001

Air Police (NCO)
(Air Police Supervisor)

Course Number: AA77170; 96170.

Location: 3625th Training Group, Parks AFB, CA.

Length: 8-12 weeks (240-390 hours).

Exhibit Dates: 3/54-12/68.

Objectives: To train air policemen to become air police supervisors.

Instruction: Lectures and practical experience in the principles of supervision and management, ethics and leadership, organization of air police units, basic air police weapons, unarmed combat, physical apprehension and restraining techniques, internal security, and law enforcement and correction.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in police science or police administration (2/74).

AF-1728-0002

Sentry Dog Handler
(Sentry Dog Handler (Air Policeman))

Course Number: 3AAR81130A; 3ALR81130A; ALR77130A; AZR77130; XX77130.

Location: School of Applied Aerospace Sciences, Lackland AFB, TX.

Length: 6-8 weeks (240 hours).

Exhibit Dates: 5/58-12/73.

Objectives: To train military police in basic dog care and handling techniques.

Instruction: Lectures and practical exercises in basic dog care and handling, including handler and dog teamwork procedures; history of dogs; dog health, disease prevention, and first aid; and obedience, search, and attack training.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1728-0003

Security Police Combat Preparedness

Course Number: 3AZR81150.

Location: School of Applied Aerospace Sciences, Lackland AFB, TX; 3275th Technical School, Lackland AFB, TX.

Length: 3 weeks (100-102 hours).

Exhibit Dates: 11/71-12/73.

Objectives: To prepare security policemen for duty in a limited-war environment.

Instruction: Combat tactics; communications; map and compass reading; air base defense planning; intrusion detection equipment; night observation devices.

Credit Recommendation: In the upper-division baccalaureate category, credit in police administration and operations on the basis of institutional evaluation (1/74).

AF-1728-0004

Traffic Management and Accident Investigation

Course Number: 3AZR81271-1.

Location: School of Applied Aerospace Sciences, Lackland AFB, TX.

Length: 4 weeks (150 hours).

Exhibit Dates: 3/73-12/73.

Objectives: To train airmen as traffic enforcement officers and accident investigators.

Instruction: Development of installation vehicle codes and traffic flow plans; traffic trends analysis; planning of traffic accident investigations; procedures for preparing and maintaining traffic reports and records, and utilizing graphs, charts, and maps.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in police traffic enforcement (1/74).

AF-1728-0005

Reserve Special Investigations and Counterintelligence Training (Reserve Refresher)

Course Number: None.

Location: Special Investigations School (AFOSI), Washington, DC.

Length: 2 weeks (66 hours).

Exhibit Dates: 1/76-Present.

Objectives: To provide update training in current Special Investigations policies.

Instruction: Student learns the AFOSI reporting system and terminology used in criminal and counterintelligence matters, learns current policy in interviews and interrogations, and learns military law. Subjects covered include investigative administration and management, criminal and fraud investigations, investigative techniques, and counterintelligence.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in police administration/physical security (11/77).

AF-1728-0006

Reserve Special Investigator

Course Number: None.

Location: Special Investigations School (AFOSI), Washington, DC.

Length: 4 weeks (258 hours).

Exhibit Dates: 1/76-Present.

Objectives: To teach the student to conduct investigations.

Instruction: Student will learn the legal responsibilities imposed on him by military law and authority, to obtain information in accordance with current policies, and to incorporate data into reports of investigation. Topics include investigative orientation, communication skills, law, report writing, interviews and interrogation, criminal and fraud investigations, counterintelligence investigations, and investigative techniques. Course is taught in two 2-week segments.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in police administration/physical security (11/77).

AF-1728-0007

Security Police Staff Officer

Course Number: 3OAR8111.

Location: School of Applied Aerospace Sciences, Lackland AFB, TX.

Length: 3 weeks (91-118 hours).

Exhibit Dates: 6/72-12/73.

Objectives: To provide officers with advanced career training in police management and administration.

Instruction: Planning and programing of aerospace systems security; administration and management of security programs; functions of law enforcement; Air Force corrections program; duties and responsibilities of the security police chief.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in police administration and management or public administration (1/74).

AF-1728-0008

Security Specialist

Course Number: 3ABR81130-1.

Location: School of Applied Aerospace Sciences, Lackland AFB, TX.

Length: 5 weeks (150 hours).

Exhibit Dates: 9/72-12/73.

Objectives: To train airmen to perform basic duties as security specialists.

Instruction: Aerospace systems security; local ground defense of Air Force installations; use of security police and ground defense weapons.

Credit Recommendation: In the upper-division baccalaureate category, credit in police science or physical security on the basis of institutional evaluation (2/74).

AF-1728-0010

Patrol Dog Marijuana Detection

Course Number: 3AZR81150A-1.

Location: Lackland Military Training Center, Lackland AFB, TX.

Length: 9 weeks (270 hours).
Exhibit Dates: 1/71-12/73.
Objectives: To prepare qualified patrol dog handlers to train patrol dogs in the detection and location of marijuana.
Instruction: Proficiency dog training incorporating methods of article retrieving, repetitive exercises, scent discrimination, and marijuana orientation.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1728-0011

Law Enforcement Specialist

Course Number: 3ABR81230.
Location: School of Applied Aerospace Sciences, Lackland AFB, TX.
Length: 5 weeks (144 hours).
Exhibit Dates: 9/71-12/73.
Objectives: To provide enlisted personnel with specialized training in law enforcement.
Instruction: Lectures in law enforcement administration and investigation, traffic and disaster control, civil disturbance and riot control, security police weaponry, and accident investigation.
Credit Recommendation: In the upper-division baccalaureate category, credit in police administration on the basis of institutional evaluation (1/74).

AF-1728-0012

Security Police Officer Combat Preparedness

Course Number: 3OZR8124.
Location: Lackland Military Training Center, Lackland AFB, TX.
Length: 3 weeks (97 hours).
Exhibit Dates: 1/71-12/73.
Objectives: To prepare security police officers for duty in a limited-war environment.
Instruction: Lectures and field projects in use of police weapons, combat tactics, communications, map and compass reading, air base defense planning, intrusion detection equipment, night observation devices, and ground equipment intelligence.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (2/74).

AF-1728-0013

Patrol Dog Explosives Detection

Course Number: 3AZR81150A-2.
Location: School of Applied Aerospace Sciences, Lackland AFB, TX.
Length: 9 weeks (270 hours).
Exhibit Dates: 1/73-12/73.
Objectives: To train qualified patrol dogs to detect and locate explosives, and to train qualified patrol dog handlers to recognize the dog's alert to explosives.
Instruction: Practical training in article retrieving, detecting explosives, and follow-up patrol dog proficiency training.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1728-0014

Patrol Dog Handler

Course Number: 3ALR81130A-1.
Location: Lackland Military Training Center, Lackland AFB, TX.
Length: 12 weeks (360 hours).
Exhibit Dates: 7/72-12/73.
Objectives: To prepare security policemen to train dogs to perform patrol dog tactics.
Instruction: Lectures and practical exercises in dog training principles; tracking; detecting and alerting; and care of the dog, kennel, and equipment.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1728-0015

Patrol Dog Handler Transition

Course Number: 3AZR81150A.
Location: School of Applied Aerospace Sciences, Lackland AFB, TX.
Length: 4 weeks (114 hours).
Exhibit Dates: 9/72-12/73.
Objectives: To train experienced sentry dog handlers to perform as patrol dog handlers.
Instruction: Practical exercises in application of handler techniques; intrusion and agitation; recognition of alerts; performance evaluation, training, and utilization records; utilization of patrol dog teams; selection of kennel and training facilities.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1728-0016

Security Police Administration
(Police Administration)

Course Number: 3AZR81291.
Location: School of Applied Aerospace Sciences, Lackland AFB, TX.
Length: 3 weeks (85-113 hours).
Exhibit Dates: 10/72-12/73.
Objectives: To train noncommissioned officers and civilians in police administrative duties.
Instruction: Administration; policy formulation; activities coordination; monitoring and inspection of security policy programs; protection and management of resources; installation security and USAF corrections.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in criminal justice or physical security (1/74).

AF-1728-0017

Combat Security Police
(Basic Combat Training(Phase I))
(Specialized Combat Training (Phase II))
(Small Unit Tactics (Phase III))
(Advanced Unit Tactics (Phase IV))

Course Number: 830; AC99135; AC99135; LC99XX.
Location: Combat Security Police Training School, Ft. Campbell, KY.
Length: 12 weeks (1371 hours).
Exhibit Dates: 7/69-Present.
Objectives: To train combat security police units in methods of defense for preservation of vital Air Force resources in hostile environments.
Instruction: Field operations and tactics; combat security intelligence; escape and evasion techniques; intrusion detection devices; hand navigation tactical communications; physical training and confidence training.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1728-0018

1. Security Police Officer
(Air Police Officer)
2. Air Police Officer

Course Number: *All Versions:* OB7721. *Version 1:* 3OBR8121; OBR8121; OBR7721.
Location: *Version 1:* Lackland Military Training Center, Lackland AFB, TX. *Version 2:* 3625th Training Group (ABD), Parks AFB, CA.
Length: *Version 1:* 5-9 weeks (150-210 hours). *Version 2:* 13 weeks (390 hours).
Exhibit Dates: *Version 1:* 8/55-12/73. *Version 2:* 3/54-7/55.
Objectives: To train officers to manage security and law enforcement programs.
Instruction: Lectures and field exercises in installation security, training and operating local ground forces, maintenance of law and order, and confining and retraining prisoners.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in police administration (2/74).

AF-1728-0019

1. Security Policeman
(Air Policeman)
2. Air Policeman
3. Air Police (Basic)
(Air Policeman (Basic Air Police))
(Air Police)

Course Number: *Version 1:* 3ABR81130; ABR81130; ABR77130. *Version 2:* ABR77130. *Version 3:* AB96150; AB77130.
Location: *All Versions:* Lackland Military Training Center, Lackland AFB, TX. *Version 3:* 3625th Training Group (ABD), Parks AFB, CA.
Length: *Version 1:* 6-7 weeks (155-195 hours). *Version 2:* 9 weeks (372 hours). *Version 3:* 10-13 weeks (260-372 hours).
Exhibit Dates: *Version 1:* 7/61-12/73. *Version 2:* 6/60-6/61. *Version 3:* 3/54-5/60.
Objectives: To train airmen to perform duties as security policemen.
Instruction: Lectures and practical exercises in security, law enforcement, corrections, local ground defense, weapons, and field training.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in police administration or physical security (2/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in police administration or physical security (2/74). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in police administration or physical security (2/74).

AF-1728-0020

Special Investigators
(Special Investigations and Counterintelligence Specialist)
(Special Investigations and Counterintelligence Officer)

Course Number: 5ALO82130; 5OBO8221.
Location: Special Investigations School, Washington, DC.
Length: 10 weeks (336 hours).
Exhibit Dates: 9/67-Present.
Objectives: To train officers and enlisted personnel in the basic fundamentals and procedures of conducting investigations.
Instruction: Legal considerations; interviews; files and case management systems; formal reports of investigations; criminal, fraud, personnel security, and counterintelligence investigations; investigative techniques.
Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in police administration/physical security (2/74).

AF-1728-0021

Sentry Dog Handler Supervisor

Course Number: 3AZR81170A.

Location: Lackland Military Training Center, Lackland AFB, TX.

Length: 2 weeks (60 hours).

Exhibit Dates: 10/71-12/73.

Objectives: To train Army and Navy sentry dog handlers to perform the duties of kennel master.

Instruction: Health and first aid; safety; dog, kennel, and equipment care; dog team evaluation and training; planning and procurement procedures; training areas and kennel facilities; and management and operation of kennel activity.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (2/74).

AF-1728-0022

Combat Patrol Dog

Course Number: None.

Location: Combat Security Police Training School, Ft. Campbell, KY.

Length: 10 weeks (400 hours).

Exhibit Dates: 7/69-Present.

Objectives: To provide advanced training to combat patrol dog handler teams preparing for assignment to hostile environments.

Instruction: Lectures and field exercises in scouting, patrolling, and detection of booby traps; confidence training in technique of rappelling and crossing obstacles.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1728-0023

Patrol Dog Handler Supervisor

Course Number: 3AZR81170-1.

Location: School of Applied Aerospace Studies, Lackland AFB, TX.

Length: 2 weeks (60 hours).

Exhibit Dates: 10/72-12/73.

Objectives: To prepare patrol dog handlers for the position of kennel master.

Instruction: Lectures on health and first aid; safety; dog kennel and equipment procedures; training areas and kennel facilities; management and operation of kennel activity.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (2/74).

AF-1728-0024

O-6 and R-2 Crash Rescue Trucks, Field and Organizational Maintenance

(O-10 and O-11A Crash Fire Trucks, Field Maintenance)

Course Number: ATS47152-27; ATS47152-3.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 4-5 weeks (120-150 hours).

Exhibit Dates: 3/59-12/68.

Objectives: To train enlisted personnel to operate, inspect, maintain, and troubleshoot O-6 and R-2 crash rescue trucks.

Instruction: Lectures and practical exercises in the operation, inspection, maintenance, and troubleshooting of O-6 and R-2 crash rescue trucks, including engine repair; heating, steering, and electrical systems repair; operational tests, adjustment of the assembled units; valve assemblies, hydraulic systems, refrigeration system, and system circuits.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1728-0025

O-11A and O-11B Crash Fire Truck Field Maintenance

Course Number: ATS47152-35.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 4 weeks (120 hours).

Exhibit Dates: 1/60-12/68.

Objectives: To train enlisted personnel to maintain, operate, and repair O-11A and O-11B crash fire trucks.

Instruction: Lectures and practical exercises in the maintenance, operation, and repair of O-11A and O-11B crash fire trucks, including maintenance of engines, spray unit, steering system, dispensing system, heaters and electrical systems, various circuits, hydraulic turret systems, and troubleshooting and adjustment procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1728-0026

Legal Service Specialist

Course Number: 3ALR70530.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS.

Length: 6 weeks (178 hours).

Exhibit Dates: 1/73-12/73.

Objectives: To train personnel as legal services specialists.

Instruction: Lectures and practical exercises on the function of legal services specialists, including military justice and closed-microphone court reporting, legal administration, civil law, and Air Force claims.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in court reporting, 3 in criminal justice or criminology (7/74).

AF-1728-0027

Judge Advocate Staff Officer

Course Number: None.

Location: Institute for Professional Development, Maxwell AFB, AL.

Length: 6 weeks (187 hours).

Exhibit Dates: 8/72-Present.

Objectives: To orient newly commissioned lawyers to the military system of justice and to provide an overview of the applications of legal principles in the military establishment.

Instruction: Topics include: jurisdiction; court structure; legal processes; criminal and civil litigation; torts; claims; and forensic practices.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in criminal justice or criminology (7/74).

AF-1728-0028

Security Police Supervisor

Course Number: 3AZR81170; 3AAR81170.

Location: School of Applied Aerospace Sciences, Lackland AFB, TX; 3275th Technical School, Lackland AFB, TX.

Length: 4 weeks (120 hours).

Exhibit Dates: 5/70-12/73.

Objectives: To train enlisted personnel to supervise a small police organization.

Instruction: Lectures and practical exercises in the administration and supervision of a small police organization. Course includes a review of police organizational procedures to include: report writing, public speaking, investigative techniques, legal studies, drug abuse, traffic control, crash investigation, physical security, and the employment of personnel and equipment.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in law enforcement, police administration, or criminal justice (7/74).

AF-1728-0029

Provost Marshal

(Air Police (Provost Marshal) Phase I)

Course Number: OA7711.

Location: 3275th Technical School, Lackland AFB, TX.

Length: 3 weeks (90 hours).

Exhibit Dates: 3/57-8/62.

Objectives: To train officers and civilians as air policemen.

Instruction: Lectures and practical exercises in the functions of air policemen, including duties of a provost marshal; military law; administration and management of law enforcement functions; off-base functions; corrections; installation security; vulnerability tests; and motor vehicle traffic program.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1728-0030

A/S32P-2 Firefighting Vehicle Operator

Course Number: 3AZR57150-2.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL.

Length: 2 weeks (60 hours).

Exhibit Dates: 9/72-12/73.

Objectives: To train selected fire protection personnel to perform fire protection inspections and operation duties of the A/S32P-2.

Instruction: Lectures and practical exercises in fire protection inspections and operation duties of the A/S32P-2. Course includes operation maintenance of the fuel, electrical, air, hydraulic, heating and cooling systems, and engine and drive train assemblies.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1728-0031

Staff Judge Advocate

Course Number: None.

Location: Institute for Professional Development, Maxwell AFB, AL.

Length: 2 weeks (66 hours).

Exhibit Dates: 7/72-Present.

Objectives: To provide Staff Judge Advocates with legal principles, concepts, and applications, and to enhance professional and leadership qualifications.

Instruction: Lectures and independent study in recent criminal and civil decisions in military law and their applicability to the revision or formulation of policy and procedure.

Credit Recommendation: Undergraduate credit is not recommended because of the professional nature of the course (6/75).

AF-1728-0032

Fire Prevention Technician

Course Number: 3AZR57170.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL.
Length: 4 weeks (120–148 hours).
Exhibit Dates: 12/69–12/73.
Objectives: To provide personnel with knowledge and skills sufficient to become fire prevention technicians.
Instruction: Lectures and practical exercises in fire protection and building design, building occupancy considerations, fire protection requirements, building protection systems, electrical circuitry, evacuation systems, and reporting procedures.
Credit Recommendation: Credit is not recommended because of the specialized nature of the course (7/74).

AF-1728-0033

Fire Protection Specialist (Missiles)

Course Number: 3AZR57150-1.
Location: School of Applied Aerospace Sciences, Chanute AFB, IL.
Length: 2 weeks (60–70 hours).
Exhibit Dates: 1/72–12/73.
Objectives: To train selected airmen to perform fire protection duties when hazardous or explosive materials are present.
Instruction: Lectures and practical exercises in use of special purpose equipment, conventional weapons, rockets and missiles, and missile propellants; fire protection for missiles, rockets, and launch sites; disaster planning and procedures; decontamination; and security education programs.
Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1728-0034

Fire Protection Supervisor
(Firefighting Supervisor)

Course Number: 3AAR57170-1; AAR57170-1; AAR57170; AA57170.
Location: 3345th Technical School, Chanute AFB, IL; 3415th Technical School, Lowry AFB, CO.
Length: 4–8 weeks (120–240 hours).
Exhibit Dates: 10/54–12/73.
Objectives: To train selected personnel to perform as fire protection supervisors.
Instruction: Lectures and practical exercises in fire department management, supervision, techniques, organizational training functions, and training programs; fire flow tests; installed extinguishing and alarm systems; inspections; chemical, biological, and nuclear materials and hazards; fire protection systems; flammable materials; and traffic safety.
Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1728-0035

Firefighter Rescueman

Course Number: 3AZR57150-3.
Location: School of Applied Aerospace Sciences, Chanute AFB, IL.
Length: 4 weeks (120–148 hours).
Exhibit Dates: 1/73–12/73.
Objectives: To train selected personnel to perform as firefighter rescuemen.
Instruction: Lectures and practical exercises in the principles of rescue, protective clothing and equipment, emergency first aid, use of rescue tools, aircraft fundamentals, building construction, egress systems, pressure and rescue suits, rescue vehicles and equipment, humane rescue practices and procedures.
Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1728-0036

Helicopter Firefighter Training (H-43/UH-IN)

Course Number: 571XC-1/571XD/923X0-5/923X0-6; 571XD; 923X0-5; 923X0-6.
Location: Aerospace Rescue and Recovery Service, Hill AFB, UT.
Length: 5 weeks (84 hours).
Exhibit Dates: 7/71–Present.
Objectives: To qualify fire protection specialists and supervisors in the duties and responsibilities of a helicopter firefighter.
Instruction: Lectures and practical exercises in rescue and fire suppression, rescue configuration and egress, emergency procedures and equipment, airborne fire suppression kit, care and operation of firefighting equipment, hoist procedures, cargo sling/dummy fire kit operations, fire suppression procedures, crew duties and ground support, and rescue and evacuation.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of rthe course (7/74).

AF-1728-0037

Fire Protection Specialist
(Fire Protection Fundamentals)
(Firefighter)

Course Number: 3ABR57130-1; ABR57130-1; ABR57130; AB57130.
Location: School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL; 3505th Technical School, Greenville AFB, MS; 3415th Technical School, Lowry AFB, CO.
Length: 8–10 weeks (210–274 hours).
Exhibit Dates: 4/55–12/73.
Objectives: To train airmen to perform as apprentice fire protection specialists.
Instruction: Lectures and practical exercises in fire protection principles, objectives, and responsibilities; principles and theory of control and extinguishment; structural firefighting; rescue procedures; structural vehicle end firefighting operations; and aerospace vehicle firefighting.
Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1729-0001

Air Force Food Service Officer Course

Course Number: 6244.
Location: U.S. Army Quartermaster School, Ft. Lee, VA.
Length: 8 weeks (278 hours).
Exhibit Dates: 2/72–12/73.
Objectives: To provide commissioned officers and warrant officers with a working knowledge of the duties and functions of food service officers.
Instruction: Organization, management, and operation of food service and subsistence supply facilities; nutrition and menu planning; meat products; theory and principles of cooking and baking.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in organization and management (12/73).

AF-1729-0002

1. Cook
2. Cooking

Course Number: *Version 1:* 3ABR62230. *All Versions:* 3ABR62230-1.
Location: *Version 1:* School of Applied Sciences, Lowry AFB, CO. *All Versions:* 3380th Technical Training Wing, Keesler AFB, MS.
Length: *Version 1:* 8–12 weeks (240–360 hours). *Version 2:* 12 weeks (480 hours).
Exhibit Dates: *Version 1:* 5/58–12/73. *Version 2:* 5/55–4/58.
Objectives: To provide enlisted personnel with basic instruction in preparing, cooking, and serving food in unit, field, and inflight kitchens.
Instruction: Food preparation; inspection and storage of supplies; dining hall and kitchen sanitation; inspection procedures; use and care of food service equipment; nutrition.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 6 semester hours in food preparation (12/73). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in food preparation (12/73).

AF-1729-0003

Open Mess Management (Officer)

Course Number: 3OBR7331.
Location: School of Applied Aerospace Sciences, Lowry AFB, CO.
Length: 7 weeks (210 hours).
Exhibit Dates: 8/72–12/73.
Objectives: To train officers in the principles and techniques of food service management.
Instruction: Lectures and practical exercises in the techniques and procedures of food and beverage service operation; selection and training of personnel; determination of supplies, funds, space, and equipment requirements; basic accounting principles; open mess sanitation and safety; record keeping and reporting; business law.
Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1729-0004

Open Mess Management (Enlisted)

Course Number: 3AAR74270.
Location: School of Applied Aerospace Sciences, Lowry AFB, CO.
Length: 7 weeks (210 hours).
Exhibit Dates: 8/72–12/73.
Objectives: To train enlisted personnel as supervisors in food service facilities.
Instruction: Lectures and practical exercises in basic accounting principles; open mess sanitation and safety; control food costs; record keeping; open mess administration; business law; employee administration; selection and training of subordinate personnel.
Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1729-0005

Meat Cutting

Course Number: AB62330.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 8 weeks (320 hours).
Exhibit Dates: 8–12/68.
Objectives: To train airmen to cut and process meats preparatory to cooking.
Instruction: Lectures and practical exercises in cutting and processing of meats pre-

paratory to cooking, including meat cutting fundamentals, sanitation, and supply and accounting; techniques of grading and cutting beef, veal, lamb, pork, poultry, frozen meats, meat products and seafood; maintenance and operation of equipment and machines; and supervision of meat cutters and food service attendants.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1729-0006

Aleutian DEW Line Baker

Course Number: ATS62170-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 4 weeks (120 hours).

Exhibit Dates: 9/60–12/68.

Objectives: To train airmen as bakers.

Instruction: Lectures and practical exercises in baking, including elements of nutrition, personnel management and sanitation; baking of cakes, cookies, puddings and custards, pies, biscuits, and various breads; and decoration of pastry shop baked goods.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1729-0007

Open Mess Management (U.S. Air Force)

Course Number: OZR6411.1; ASA62470; 10-AF-62470.

Location: Quartermaster School, Ft. Lee, VA.

Length: 7 weeks (228–231 hours).

Exhibit Dates: 8/60–12/64.

Objectives: To train officers, warrant officers and enlisted personnel who possess current food handler's certificates to perform as food service superintendents or steward supervisors.

Instruction: Lectures and practical exercises in duties of food service superintendents or steward supervisors, including operation and maintenance of equipment and facilities, storage and sanitation, management of open mess facilities (including recreational facilities), and formal events and entertainment programming; food planning and nutrition, food selection, cost control, and preparation and serving of buffet-type meals; and accounting and business law.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in institutional (culinary) management, 2 in introduction to food and nutrition (12/68).

AF-1729-0008

1. Baker
2. Baking

Course Number: AB62130.

Location: 3450th Technical School, Warren AFB, WY.

Length: *Version 1:* 12 weeks (318 hours). *Version 2 :* 12 weeks (480 hours).

Exhibit Dates: *Version 1:* 12/55–12/68. *Version 2:* 3/55–11/55.

Objectives: To train airmen to bake bread, rolls, pies, cookies, and other baked products.

Instruction: *All Versions:* Lectures and practical exercises in the principles and techniques of garrison and field baking, including small-quantity kitchen, and pastry bakery (integrated training). *Version 1:* Topics include principles of nutrition, sanitation, procurement and storage, bread bakery (integrated training). *Version 2:* Topics include production bread baking shop; preparation of specific doughs, breads, and cakes; rations, storage, and recipe breakdown.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in food management (8/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in food management (8/74).

AF-1729-0009

1. Diet Therapy Supervisor
2. Diet Supervisor

Course Number: *Version 1:* 3AAR62271. *Version 2:* AAR62271; AZR62271.

Location: *All Versions:* 3750th Technical School, Sheppard AFB, TX. *Version 2:* Medical Service School, Gunter AFB, AL.

Length: *Version 1:* 5 weeks (150 hours). *Version 2:* 4–5 weeks (150–156 hours).

Exhibit Dates: *Version 1:* 9/70–12/73. *Version 2:* 9/65–8/70.

Objectives: To provide advanced career training to diet supervisory personnel.

Instruction: *All Versions:* Lectures and practical exercises in diet therapy, including regulations and manuals related to the operation of a medical food service and supervision and management of equipment, personnel, and subsistence in the operation of a food service department at Air Force medical treatment facilities. Emphasis is on subsistence accounting, cycle and selective menu planning and writing, food production and service, nutrition, and dietary treatment of diseases. *Version 1:* Topics include administration, applied therapeutic nutrition, food service management, disaster feeding, and menu costing. *Version 2:* Topics include food production and service, food service sanitation, nutrition and diet therapy, and administration.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in food management, 3 in food and beverage cost control (7/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in food service management (12/68).

AF-1730-0001

Equipment Cooling Specialist/Technician, SM-68B

Course Number: ATC54550Y-1; ATS54550Y-2.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 8 weeks (240 hours).

Exhibit Dates: 1/62–12/68.

Objectives: To train enlisted personnel to operate and maintain air conditioning systems and controls; and to service refrigeration and air handling equipment.

Instruction: Lectures and practical exercises in the operation, maintenance, and servicing of refrigeration equipment with emphasis on the practical rather than the theoretical. Includes air handling systems, and pneumatic and electric control systems.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1730-0002

Equipment Cooling Specialist

Course Number: ABR56630B.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 23–24 weeks (600–630 hours).

Exhibit Dates: 9/58–12/68.

Objectives: To provide enlisted personnel with entry-level training in the design, operation, and maintenance of environmental systems.

Instruction: Lectures and practical exercises in the maintenance and operation of cooling systems. Course includes instruction in environmental controls from calculation of heat loads to actual operation of a five-ton air conditioning system, including component selection; water analysis; electric, pneumatic, and electronic controls; basic electricity; and the servicing of motors.

Credit Recommendation: In the upper-division baccalaureate category, 15 semester hours in air conditioning and refrigeration controls, and credit in electricity on the basis of institutional evaluation (5/74).

AF-1730-0003

Refrigeration Specialist/Supervisor (SM-68)

Course Number: ATS56650B-14.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 10 weeks (300 hours).

Exhibit Dates: 5/61–12/68.

Objectives: To train enlisted personnel to repair and maintain pneumatic and electric control systems for refrigeration and air conditioning systems.

Instruction: Lectures and practical exercises in cooling and refrigeration systems. Course stresses the servicing of pneumatic and electric controls of refrigeration and air conditioning units.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1730-0004

Refrigeration and Air Conditioning

Course Number: ATS54550-2.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 3 weeks (90 hours).

Exhibit Dates: 4/62–12/68.

Objectives: To train enlisted personnel to perform service procedures on pneumatic, electric, and electronic control systems employed in air conditioning systems.

Instruction: Lectures and practical exercises in servicing the controls on refrigeration and air conditioning units. Course includes the principles of operation, service procedures, and calibration of the components of pneumatic, electric, and electronic control systems, and an introduction to psychrometrics.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1730-0005

Refrigeration and Air Conditioning Controls (Johnson)

Course Number: 3AZR54550-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 2 weeks (60 hours).

Exhibit Dates: 4/72–12/73.

Objectives: To train enlisted personnel to service pneumatic control system components.

Instruction: Lectures and practical exercises in the operation, servicing, and calibration of Johnson pneumatic controls, including thermostats, humidistats, relays, step controllers, damper operators, valves, pilot positions, pressure controllers, and cumulators.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1730-0006

REFRIGERATION AND AIR CONDITIONING CONTROL (MINN-HONEYWELL)

Course Number: 3AZR54550.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 3 weeks (90 hours).

Exhibit Dates: 12/67–12/73.

Objectives: To train enlisted personnel to service pneumatic, electric, and electronic control systems as employed in air conditioning systems.

Instruction: Lectures and practical exercises in the principles of operation, service procedures, and calibration of pneumatic, electronic and electric control system components. Also included is an introduction to psychrometrics.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1730-0007

REFRIGERATION SUPERVISOR/TECHNICIAN (SM-65F)

Course Number: ATS56650B-19.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 5 weeks (150 hours).

Exhibit Dates: 6/61–12/68.

Objectives: To train enlisted personnel to operate, maintain, and troubleshoot the air conditioning, heating, and ventilation systems of silo-stored weapons.

Instruction: Lectures and practical exercises in the fundamentals of refrigeration, ventilation, and controls.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1730-0008

REFRIGERATION TECHNICIAN, SM-80

Course Number: ATS54570Y-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 4 weeks (120 hours).

Exhibit Dates: 9/62–12/68.

Objectives: To train enlisted personnel to maintain missile environmental and equipment cooling systems.

Instruction: Lectures and basic instruction in the maintenance and operation of refrigeration components. Course includes cooling with brine and related controls.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1730-0009

REFRIGERATION AND AIR CONDITIONING EQUIPMENT

Course Number: 3AZR54550-2.

Location: School of Applied Aerospace Sciences, Sheppard AFB, TX.

Length: 5 weeks (150 hours).

Exhibit Dates: 8/72–12/73.

Objectives: To train enlisted personnel to operate, maintain, and troubleshoot refrigeration and air conditioning systems.

Instruction: Lectures and practical exercises in refrigeration and air conditioning systems. Course covers fundamentals of refrigeration and components from psychrometrics through domestic and commercial applications; centrifugal, reciprocating, and absorptive systems; electrical principles and applications to refrigeration prime movers; as well as some coverage of electrical, pneumatic, and electronic controls.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1730-0010

REFRIGERATION AND AIR CONDITIONING SPECIALIST
(Refrigeration Specialist)
(Refrigeration Specialist (Refrigeration and Air Conditioning))

Course Number: 3ABR54530; ABR54530; ABR54530W; ABR56630A; AB56630A.

Location: School of Applied Aerospace Sciences, Sheppard AFB, TX; 3750th Technical School, Sheppard AFB, TX.

Length: 17–19 weeks (480–620 hours).

Exhibit Dates: 2/58–12/73.

Objectives: To train airmen to perform as refrigeration and air conditioning specialists.

Instruction: Lectures and practical exercises in refrigeration and air conditioning, including water analysis and conditioning; welding and soldering; fundamentals of electricity and electronics; physical and chemical principles related to refrigeration; refrigeration components and principles; inspection, maintenance, and troubleshooting of compressors, condensers, evaporators, receivers, and refrigeration accessories; various refrigeration systems analyses (halocarbon, internal combustion and absorption systems); controls; and psychometrics.

Credit Recommendation: In the upper-division baccalaureate category, credit in refrigeration and refrigeration controls on the basis of institutional evaluation (6/74).

AF-1730-0011

REFRIGERATION SPECIALIST, WS-133A
(Refrigeration Specialist, SM-80)

Course Number: 3AZR54530-1; AZR54530-1; AZR54530Y-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 4–6 weeks (120–180 hours).

Exhibit Dates: 1/63–12/73.

Objectives: To train enlisted personnel to maintain environmental and equipment cooling systems in missile launch and launch control facilities, in support areas, and during transportation and handling of missile equipment.

Instruction: Lectures and practical exercises in the maintenance of environmental and equipment cooling systems related to specific missile launch facilities and associated areas, including operation, calibration, and troubleshooting of refrigeration, brine, pneumatic controls, and air handling system components.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1730-0012

REFRIGERATION SPECIALIST, WS-133B

Course Number: AZR54530-2.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 7 weeks (210 hours).

Exhibit Dates: 3/65–12/68.

Objectives: To train enlisted personnel to maintain and troubleshoot environmental and equipment cooling systems at launch and launch control facilities.

Instruction: Lectures and practical exercises in the maintenance and operation of environmental and equipment cooling systems, including missile technical publications, weapon system maintenance, electronic and pneumatic control systems, launch facility brine chiller refrigeration components, launch equipment room air distribution system, and launch control support building heat exchanger components.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1730-0013

CRYOGENIC FLUIDS PRODUCTION SPECIALIST

Course Number: AZR54450-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 4 weeks (138 hours).

Exhibit Dates: 4/65–12/68.

Objectives: To train enlisted personnel to troubleshoot, maintain, and operate a small cryogenic liquid production plant.

Instruction: Lectures and practical exercises in the maintenance and operation of a small cryogenic liquid production plant. Course includes introduction to cryogenics, hazards and safety techniques, storage of cryogenic fluids, liquification process used in the oxygen-nitrogen generating plant, and troubleshooting and repair.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in refrigeration power technology (7/74).

AF-1730-0015

B-58 GROUND SUPPORT EQUIPMENT, FIELD AND ORGANIZATIONAL MAINTENANCE

Course Number: ATS 42153-35.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 6 weeks (180 hours).

Exhibit Dates: 1/60–12/68.

Objectives: To train personnel to perform basic maintenance, repair, and troubleshooting of fundamental systems.

Instruction: Lectures and practical exercises in the fundamentals of refrigeration and air conditioning, with emphasis on services and operations, and elements of turbine compressors and hydraulics for aircraft application.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-1731-0001

MISSILE FACILITIES SPECIALIST, WS-133A
(Missile Facilities Specialist, SM-80)

Course Number: ABR54130G.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 21–22 weeks (540–570 hours).

Exhibit Dates: 9/62–12/68.

Objectives: To train airmen to inspect, maintain, and repair SM-80 missile ground support equipment.

Instruction: Lectures and practical exercises in the inspection, maintenance, and repair of SM-80 missile ground support equipment, including electrical fundamentals (AC and DC circuits and generators, batteries, and controls), principles and operation of internal combustion engines and hydraulic and pneumatic devices; and troubleshooting and component analysis of motor generators, engine-driven generator sets, equipment coolers, environmental control systems, launch closure system, diesel fuel oil system, power shock attenuation and blast valve system and hatch installation.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1732-0001

ENGINEER ENVIRONMENTAL SUPPORT SPECIALIST

(Water and Waste Processing Specialist)

Course Number: 3ABR56330.

Location: Technical Training Center, Sheppard AFB, TX.

Length: 12 weeks (330 hours).

Exhibit Dates: 10/65-12/73.

Objectives: To train enlisted personnel as water and waste processing specialists and support specialists in the collection, transportation, and disposal of solid waste.

Instruction: Lectures in water purification and waste disposal. Topics include basic mathematics, water and waste water analysis, operating principles of water treatment plants, specialized water treatment processes, maintenance of water and waste processing system components, collection, transportation, treatment and disposal of solid waste.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in water purification (12/68).

AF-1732-0002

WATER AND WASTE PROCESSING

Course Number: 4AST56350-1.

Location: Sheppard Technical Training Center, Sheppard AFB, TX.

Length: 3 weeks (90 hours).

Exhibit Dates: 10/73-12/73.

Objectives: To train enlisted personnel in water and waste treatment and processing.

Instruction: Lectures and field experience in the treatment and testing of water for human consumption and in sewage and waste disposal. Topics include clarification and filtration, chemical disinfection, ion exchange, servicing and maintaining a water purification unit, operating principles of pumps, and waste water analysis.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in water and waste water technology (5/74).

AF-1732-0003

MISSILE FACILITY WATER TREATMENT

Course Number: AZR56350.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 5 weeks (150 hours).

Exhibit Dates: 12/65-12/68.

Objectives: To train enlisted personnel to operate and maintain water processing and treatment equipment.

Instruction: Lectures and practical exercises in the operation and maintenance of water processing and treatment equipment, including water characteristics and chemistry, water testing, purification of water by chlorination, filtration and iron removal, coagulation, clarification and sedimentation, ion exchange, demineralization and distillation, descaling, and industrial water treatment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-1733-0001

PARACHUTE RIGGER

Course Number: *Version 1:* 3ABR58130. *Version 2:* ABR58130; AB58130.

Location: *Version 1:* School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL. *Version 2:* 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 13-14 weeks (390 hours). *Version 2:* 15-16 weeks (420-450 hours).

Exhibit Dates: *Version 1:* 3/70-12/73. *Version 2:* 7/54-2/70.

Objectives: To teach parachute packing as applied to personnel, cargo, deceleration and drogue parachute, testing of components, and repair of parachutes.

Instruction: Lectures and practical exercises in inspection of parachutes and components; cleaning, repair, and packing cargo and deceleration parachutes; drop-testing of parachutes; performance of preventive maintenance on sewing machines, drying fans, and equipment; and supervision and instruction of parachute riggers.

Credit Recommendation: See explanatory note at the beginning of the Air Force section.

AF-2203-0001

SMALL ARMS SPECIALIST

(Marksmanship Instructor)

Course Number: 3ABR75330; 3ALR75330; ALR75330; AIR75330.

Location: School of Applied Aerospace Sciences, Lackland AFB, TX.

Length: 9-11 weeks (288-330 hours).

Exhibit Dates: 9/59-12/73.

Objectives: To train personnel to serve as marksmanship instructors.

Instruction: Lectures and practical exercises in classroom instruction, lesson planning, practice teaching, and marksmanship.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in instructional methods (12/68).

AF-2203-0002

COMMAND ORIENTED RADAR PREDICTION

Course Number: 3AZR20630-1.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 2 weeks (84 hours).

Exhibit Dates: 5/72-12/73.

Objectives: To train enlisted and officer air intelligence personnel to interpret maps, photographs, and radar output data.

Instruction: Lectures include air target charts, contour relief interpretation, use of aerial photography with selected charts, shadow length computer/plotter, radar prediction (sandpaper technique), mission planning, systems capabilities, and photographic reproduction.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (3/74).

AF-2203-0003

ELECTRONIC WARFARE OFFICER TRAINING (RECONNAISSANCE)

Course Number: 51-B-V7C-R.

Location: Air Training Command, Mather AFB, CA.

Length: 5 weeks (117 hours).

Exhibit Dates: 6/69-Present.

Objectives: To qualify enlisted personnel as electronic warfare officers.

Instruction: Lectures and simulator training in basic and advanced audio analysis, basic and advanced reconnaissance systems operation, and leadership training.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (3/74).

AF-2203-0004

ELECTRONIC WARFARE SYSTEMS

Course Number: 2OSR3216.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 3 weeks (90 hours).

Exhibit Dates: 7/68-12/73.

Objectives: To train equipment specialists, engineers, and focal-point managers in the electronic warfare logistic support area.

Instruction: Lectures on security; introduction to electronic warfare policies and practices; and general description, capabilities, and data flow of electronic warfare systems.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (3/74).

AF-2203-0005

MISSILE FACILITIES SPECIALIST (CGM-13B, AGE CREW)

Course Number: 3AZR54150; AZR54150.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 8 weeks (240 hours).

Exhibit Dates: 4/67-12/73.

Objectives: To train enlisted personnel to repair missile ground support equipment.

Instruction: Lectures and practical exercises in missile ground support maintenance, including weapon system organization, deployment, operation, and safety procedures; tactical and facilities power equipment theory, schematic analysis, and maintenance procedures; and AGE tactical power equipment operation, troubleshooting, malfunction localization, maintenance, and inspection procedures.

Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-2203-0006

RADIO TRAFFIC ANALYSIS AIDE

Course Number: ABK20230.

Location: Security Service School, Goodfellow AFB, TX.

Length: 28 weeks (840 hours).

Exhibit Dates: 7/72-12/73.

Objectives: To train enlisted personnel to analyze specific types of radio traffic.

Instruction: Lectures and laboratory in communications theory and procedures; typing; mathematics theory and practical application; physical, geological, political, and economic geography of world areas (emphasizing Eurasian continental and political divisions); computers and machine processing; report writing; and air operations, including aircraft flight characteristics, air traffic control procedures, map reading, air navigation principles, and direction finding and plotting.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-2203-0007

UNIT HISTORIAN DEVELOPMENT

Course Number: AUIPD900.

Location: Leadership and Management Development Center, Air University, Maxwell AFB, AL.

Length: 3 weeks (120 hours).
Exhibit Dates: 9/73–Present.
Objectives: To train airmen to perform the duties of unit historians, including responsibility for archival management, period analytical historical narratives, primary document evaluation and research methodology, oral history, and routine record keeping and management.
Instruction: Lectures, seminars, interviews, and exercises in Air Force history and organization, document research, historical methods and evaluation, research methodology, oral history, office administration, security procedures, independent research and writing using primary material in the principal United States military aviation historical repository.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours as an elective in history (8/76).

AF-2203-0008

Identification/Air Tactics (SAGE)

Course Number: AZR27370B-3.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 8 weeks (240 hours).
Exhibit Dates: 8/60–12/68.
Objectives: To train airmen to perform as identification or air tactics technicians.
Instruction: Lectures and practical exercises in the duties of identification and air tactics technicians in a SAGE direction center, including system familiarization, air surveillance, SAGE organizational and functional concepts and procedures.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course.

AF-2203-0009

USAF Senior Noncommissioned Officer Academy
(Senior NCO Academy)

Course Number: None.
Location: Air University, Gunter AFB, AL.
Length: 9 weeks (227–244 hours).
Exhibit Dates: 1/73–Present.
Objectives: To prepare senior noncommissioned officers for expanded leadership and management roles by broadening their perspective of the military profession and its place in domestic and international affairs.
Instruction: Seminars, lectures, and directed individual study in communications, world affairs, leadership and management as applied to the military environment. The communications phase includes both written and oral exercises in writing, speaking, and reasoning skills. The military environment phase provides knowledge of the U.S. role in international affairs, including a comparison of major political and economic systems. The management phase treats principles and functions of management emphasizing the planning, programming and budgeting aspects. Significant study is devoted to increasing understanding of personnel systems and effective human resource management with emphasis on current behavioral science concepts. Student-centered instructional techniques include role playing, video-assisted instruction, programmed learning and panel presentations.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in oral and written communications (11/75); in the upper-division baccalaureate category, 3 semester hours in contemporary world affairs, 4 in management and human relations (11/75).

AF-2203-0010

Weapons Direction (SAGE)

Course Number: OZR1716-1.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 8 weeks (240 hours).
Exhibit Dates: 8/60–12/68.
Objectives: To train commissioned officers to perform duties as senior directors, senior weapons directors, or weapons directors.
Instruction: Lectures and practical exercises in the fundamentals of weapons direction (SAGE). Course includes communication networks employed in the SAGE system; direction center, combat center, and command post concerns and functions; and weapons employed in the SAGE system.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-2203-0011

BMEWS Surveillance Officer

Course Number: OZR1716.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 3 weeks (90 hours).
Exhibit Dates: 9/65–12/68.
Objectives: To train officers to perform the duties of surveillance officers at Ballistic Missile Early Warning System (BMEWS) sites.
Instruction: Lectures and practical exercises in the duties of BMEWS surveillance officers. Course includes a complete system orientation, a description of the system, and coverage of the function of the system as it pertains to surveillance officers; other topics include orbital mechanics, radar principles, tracking radar signal flow, electronic warfare, and tactical control.
Credit Recommendation: Credit is not recommended because of the limited specialized nnature of the course (12/68).

AF-2203-0012

Nuclear Weapons Specialist (Minuteman III Re-Entry System)

Course Number: 3AZR46350-1.
Location: School of Applied Aerospace Sciences, Lowry AFB, CO; 3415th Technical School, Lowry AFB, CO.
Length: 8–10 weeks (258–300 hours).
Exhibit Dates: 3/70–12/73.
Objectives: To train personnel as nuclear weapons specialists (Minuteman III re-entry system).
Instruction: Lectures and practical exercises in the duties of nuclear weapons specialists (Minuteman III re-entry system), including safety and security; Minuteman III missile and re-entry system orientation; re-entry system and re-entry vehicle component purpose; function and description; MGE operation; inspection, adjustment, and alignment; test set theory, operation, description, adjustment, troubleshooting and repair; ablative material and cork inspection and repair procedures; and re-entry system disassembly, assembly, check-out, repair and reconfiguration.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (6/74).

AF-2203-0013

Missile Launch Officer WS-133B

Course Number: 3OBR1821H; OBR1821H; OZR1821G-1.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 4–5 weeks (120–138 hours).
Exhibit Dates: 1/65–7/70.
Objectives: To train officers as WS-133B missile launch officers.
Instruction: Lectures and practical exercises in commanding, controlling, and monitoring the WS-133B system, including orientation and systems introduction, control and monitoring system, communications, and missile procedures training.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (6/74).

AF-2203-0014

Guided Missile Operations Staff Officer, IM-99

Course Number: OTS1811-1.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 4 weeks (120 hours).
Exhibit Dates: 5/61–12/68.
Objectives: To train officers to perform as guided missile operations staff officers.
Instruction: Lectures and practical exercises in all areas of the Bomarc weapon system and the relationship of SAGE in the tactical employment of the weapon system, including weapons direction function of SAGE; air surveillance; SAGE display equipment, symbology, and digital information; IM-99A weapon system familiarization, mechanical systems, command system and beacon familiarization, flight control system, target seeker, armaments, and weapon system maintenance concept; IM-99B familiarization, mechanical systems, command system and guidance beacon familiarization, flight control system, target seeker, armaments, weapon control equipment familiarization, weapons support equipment and maintenance, and safety precautions.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (6/74).

AF-2203-0015

Weapons Mechanic (SAC)

Course Number: 3ABR46230-3; ABR46230-3.
Location: School of Applied Aerospace Sciences, Lowry AFB, CO; 3415th Technical School, Lowry AFB, CO.
Length: 8–12 weeks (246–360 hours).
Exhibit Dates: 3/66–12/73.
Objectives: To train airmen to perform SAC-oriented duties for weapons mechanics.
Instruction: Lectures and practical exercises on the functions of weapons mechanics, including maintenance management; inspection systems and forms; weapon-launching system; inspection and operation of munitions-handling and -loading equipment; inspection, maintenance, safetying, positioning, loading, unloading, and check-out of conventional and nuclear munitions; preparation of aircraft for loading and unloading operations; security of classified information and materials; use of test equipment; fundamentals of electricity; technical publications and indexes; and ground and nuclear safety.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, see explanatory note on page 1-1.

AF-2203-0016

Weapons Mechanic (ADC)

Course Number: 3ABR46230-4; ABR46230-4.
Location: School of Applied Aerospace Sciences, Lowry AFB, CO; 3415th Technical School, Lowry AFB, CO.
Length: 6-12 weeks (192-330 hours).
Exhibit Dates: 3/66-12/73.
Objectives: To train enlisted personnel to maintain and repair weapons and weapons systems.
Instruction: Lectures and practical exercises in weapons systems maintenance and repair, including maintenance management, inspection systems and forms, weapon launching system, nuclear and nonnuclear munitions, preparation of aircraft for loading and unloading, fundamentals of electricity, and ground and nuclear safety.
Credit Recommendation: In the upper-division baccalaureate category, credit in weapons systems on the basis of institutional evaluation (7/74).

AF-2203-0017

81MM Mortar/Fire Direction Center

Course Number: 3AZR81150-1.
Location: School of Applied Aerospace Sciences, Lackland AFB, TX.
Length: 4 weeks (Lackland AFB, TX hours).
Exhibit Dates: 2/73-12/73.
Objectives: To train selected security police personnel to perform in 81-mm mortar teams.
Instruction: Lectures and practical exercises in the duties and responsibilities of an 81-mm mortar team. Course includes maintenance of the 81-mm mortar and associated equipment, map team. Course includes maintenance of the 81mm mortar and associated equipment, map and compass usage, forward observer techniques, fire direction center operations, crew drills, tactical employment, and line firing of the mortar.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (7/74).

AF-2203-0018

Nuclear Weapons Specialist (Mk 11 R/V Family)

Course Number: 3AZR46330.
Location: School of Applied Aerospace Sciences, Lowry AFB, CO; 3415th Technical School, Lowry AFB, CO.
Length: 3-5 weeks (120-150 hours).
Exhibit Dates: 11/68-12/73.
Objectives: To train personnel to perform as nuclear weapons specialists (Mk-11 R/V Family).
Instruction: Lectures and practical exercises in the function of nuclear weapons specialists (Mk-11 R/V Family), including WS-133 orientation; W/H orientation; safety; security; differences within the R/V family; re-entry vehicle test set theory of operation; troubleshooting and repair; reentry vehicle assembly and check-out to include MGE operation, inspection, and repair; purpose, function, description, and inspection requirements of components; inspection and test of electro-explosive devices; ablative material inspection and repair; and disassembly, inspection, assembly, troubleshooting, and check-out of reentry vehicle equipment.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (7/74).

AF-2203-0019

Space Systems Operations Officer

Course Number: 3OBR2031.
Location: School of Applied Aerospace Sciences, Keesler AFB, MS; 3380th Technical School, Keesler AFB, MS.
Length: 2 weeks (60 hours).
Exhibit Dates: 5/68-12/73.
Objectives: To train commissioned officers in space systems operations.
Instruction: Lectures and practical exercises in the space systems operations. Course includes principles of space systems, simplified orbital calculations, and an overview of a tracking radar system.
Credit Recommendation: Credit is not recommended because of the military specific nature of the course (6/74).

AF-2203-0020

BMEWS Surveillance Officer

Course Number: 3OZR2035A-1.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 4 weeks (108 hours).
Exhibit Dates: 5/68-12/73.
Objectives: To train commissioned officers to perform as surveillance officers in the Ballistic Missile Early Warning System (BMEWS).
Instruction: Lectures and practical exercises in the duties of a surveillance officer in BMEWS. Course includes space systems, space programs, basic orbital calculations, and tracking radar principles.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (6/74).

AF-2203-0021

Spacetrack Surveillance Officer

Course Number: 3OZR2035A-2.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 4 weeks (108 hours).
Exhibit Dates: 5/68-12/73.
Objectives: To train commissioned officers to perform as spacetrack surveillance officers.
Instruction: Lectures and practical exercises in the duties of spacetrack surveillance officers. Topics include radar systems (basic fundamentals only), look-angle computations, tracking, and mission planning.
Credit Recommendation: *Version X:* edit is not recommended because of the military military-specific of the course (6/74).

AF-2203-0023

Missile Combat Crew (CGM-13B, Launch)

Course Number: 3AZR31000; AZR31000.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 12 weeks (348-360 hours).
Exhibit Dates: 9/66-12/73.
Objectives: To train officers and enlisted personnel to perform as CGM-13B missile combat launch crews.
Instruction: Lectures and practical exercises in combat launch crew duties on CGM-13B missiles, including tactical communications, nuclear safety, missile launch procedures, and missile operations. Officers receive additional training in flight control systems, guidance principles, launch area equipment, and mission planning.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (6/74).

AF-2203-0024

Missile Officer (T&A), WS-133A-M

Course Number: 3OZR31246-2.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 3 weeks (90 hours).
Exhibit Dates: 11/67-12/68.
Objectives: To train WS-133A target and alignment officers to perform as WS-133A-M missile target and alignment officers.
Instruction: Lectures and practical exercises in WS-133A-M missile systems, including weapon system familiarization, test equipment, radio data flow, targeting, guidance and control and system operation, code functions, launch control and status system cable data flow, and alignment procedures and equipment.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (6/74).

AF-2203-0025

Missile Officer (CGM-13B)

Course Number: OZR3121N.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 6 weeks (180 hours).
Exhibit Dates: 5/65-12/68.
Objectives: To train officers as CGM-13B missile officers.
Instruction: Lectures and practical exercises in the duties of CGM-13B missile officers, including supervision of missile maintenance activities, hydraulic power set, hydraulic package test set and flight controls test set, engine checker and power supply, operation of various modules, operation and maintenance of the guidance system checker and associated equipment, and test equipment maintenance.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (6/74).

AF-2203-0026

Small Arms Gunsmith Specialist

Course Number: ABR46231.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 11 weeks (300 hours).
Exhibit Dates: 10/59-12/68.
Objectives: To train airmen as small arms gunsmith specialists.
Instruction: Lectures and practical exercises in small arms gunsmith operations, including hand and shoulder weapons, installation security weapons and associated equipment, test firing and weapon maintenance, and troubleshooting and correction of specific small arms equipment.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (7/74).

AF-2203-0027

Intercept Direction (SAGE)

Course Number: OZR1744B-3.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 8 weeks (240 hours).
Exhibit Dates: 8/60-12/68.
Objectives: To train officers as intercept directors for SAGE installations.
Instruction: Lectures and practical exercises in duties of intercept directors, including communications, symbology, SAGE operations, computer introduction, digital information displays, weapons procedures, mission types, air defense artillery, SAGE radars, positional intercept direction, data

sources and processing, identification and mapping, and training and battle simulation.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-2203-0028

Identification/Air Tactics (SAGE)

Course Number: OZR1744B-2.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 8 weeks (240 hours).

Exhibit Dates: 8/60–12/68.

Objectives: To train officers as identification or air tactics officers for SAGE installations.

Instruction: Lectures and practical exercises in the duties of identification on air tactics officers, including SAGE system fundamentals, communications, symbology interpretation, SAGE identification and air tactics branch operations, air surveillance, and weapons.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (12/68).

AF-2203-0029

Intercept Direction (SAGE)

Course Number: AZR27370B-4.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 6–8 weeks (180–240 hours).

Exhibit Dates: 8/60–12/68.

Objectives: To train airmen as intercept technicians in SAGE installations.

Instruction: Lectures and practical exercises in the duties of intercept technicians in SAGE installations, including communications, symbology interpretation, test equipment and procedures, positional training computer processing, surveillance section, and weapons section.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (12/68)

AF-2203-0031

Sentry Dog Replacement

Course Number: ATS77130A-1; ATS77130-1.

Location: 3275th Technical School, Lackland AFB, TX.

Length: 4 weeks (120 hours).

Exhibit Dates: 11/63–12/68.

Objectives: To train experienced dog handlers to train dogs for sentry duty.

Instruction: Practical exercises in the training of dogs for sentry duty. The dog is trained to limit his responses to one handler while being familiarized with gunfire, transportation modes, guard employment, and attack behavior.

Credit Recommendation: Credit is not recommended because of the technical specialized nature of the course (7/74).

AF-2203-0032

Morse Systems Operator

Course Number: 3ABR20731; 3ABR29231-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 21–24 weeks (630–720 hours).

Exhibit Dates: 6/70–12/73.

Objectives: To train enlisted personnel as Morse system operators.

Instruction: Lectures and practical exercises in Morse system operation, including typing, international Morse code transcription, operation of radio receivers and frequency-measuring devices, basic traffic analysis techniques, monitoring and transcribing various types of radio traffic, and communications principles and basic electronics (transmitters, wave propagation and antennas, and receivers and associated equipment).

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (7/74).

AF-2203-0033

Airborne Radio Operator

Course Number: AB29332; AB29333.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 15–19 weeks (450–540 hours).

Exhibit Dates: 5/54–12/68.

Objectives: To train basic airmen to operate, maintain, and adjust airborne radio equipment and to carry out air-to-air and air-to-ground communications by voice and international Morse code.

Instruction: Lectures and practical exercises in the operation, maintenance, and adjustment of airborne radio equipment and in air-to-air and air-to-ground communications by voice and international Morse code, including international Morse code transmitting procedures, receiver and transmitter tuning, electrical and radio fundamentals, radio wave propagation and antennas, navigational aids, airborne radio equipment, radio telegraph procedures, radio telephone procedures, flight communications, and countermeasures (anti-jamming) techniques.

Credit Recommendation: *Version X:* edit is not recommended because of the technical specialized nature of the course (7/74).

AF-2203-0034

Ground Radio Operator (Voice)
(Ground Radio Operator)

Course Number: 3ABR29330; ABR29330; AB29330; AB29331.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 11–19 weeks (300–540 hours).

Exhibit Dates: 8/54–12/73.

Objectives: To train enlisted personnel to operate ground-based radio equipment.

Instruction: Lectures and practical exercises in ground-based radio equipment operation, including typing, Morse code, and radio transmitter and receiver operation.

Credit Recommendation: In the upper-division baccalaureate category, credit in typing on the basis of institutional evaluation (12/68).

AF-2203-0036

Missile Launch Officer, WS-133A-M

Course Number: 3OBR1821G-1; OBR1821G-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 4 weeks (108 hours).

Exhibit Dates: 6/66–7/70.

Objectives: To train commissioned officers to command, control, and monitor operations at a missile launch site.

Instruction: Lectures and practical exercises in the duties of a missile launch officer. Topics include weapons system familiarization, launch command, auxiliary systems, publications, safety procedures, and general operational concerns of a missile launch site.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (12/68).

AF-2203-0037

.50 Caliber Machinegun

Course Number: 3AZR81150-Z.

Location: School of Applied Aerospace Sciences, Lackland AFB, TX.

Length: 2 weeks (76 hours).

Exhibit Dates: 7/73–12/73.

Objectives: To train security police to use .50 caliber machineguns.

Instruction: Lectures and practical exercises in the use of .50 caliber machineguns, including the maintenance of .50 caliber machineguns and associated equipment; crew drills, tactical employment; and emergency destruction procedures.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (7/74).

AF-2203-0039

Munitions Maintenance Specialist
(Munitions Specialist)

Course Number: 3ABR46130; AB46130.

Location: School of Applied Aerospace Sciences, Lowry AFB, CO; 3415th Technical School, Lowry AFB, CO.

Length: 6–16 weeks (200–420 hours).

Exhibit Dates: 10/54–12/73.

Objectives: To train enlisted personnel to inspect, receive, assemble, and handle explosive, incendiary, and toxic air munitions.

Instruction: Lectures and practical exercises in aerospace munitions introduction; explosives, aircraft rockets, missiles, and chemical munitions; bombs, dispensors, and accessories; munitions-handling and transportation equipment; and munitions maintenance and storage.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (8/74).

AF-2203-0040

1. Officer Candidate School
2. USAF Officer Candidate School

Course Number: *Version 1:* O4M0101. *All Versions:* OC-00100.

Location: Air Training School, Lackland AFB, TX.

Length: *Version 1:* 24–25 weeks (960–1000 hours). *Version 2:* 24 weeks (960 hours).

Exhibit Dates: *Version 1:* 1/57–12/68. *Version 2:* 9/55–12/56.

Objectives: To train officer candidates to develop the professional knowledge, character, and personal attributes and attitudes essential to being an officer.

Instruction: Lectures and practical exercises in the duties of an officer. Course includes political geography, international affairs, introduction to astronautics, communications, Air Force organization, leadership, human relations, moral dynamics, and selected military subjects.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in political science, 3 in business organization and management, and credit in advanced military at institutions which regularly offer such credit (12/68). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in business organization and management, and credit in advanced military at institutions which regularly offer such credit (12/68).

AF-2203-0041

1. Squadron Officer School
2. Squadron Officer School
(Squadron Officer Course)

Course Number: None.

Location: Air University, Maxwell AFB, AL.

Length: *Version 1:* 11-14 weeks (440-500 hours). *Version 2:* 10-14 weeks (452-596 hours).

Exhibit Dates: *Version 1:* 9/70-Present. *Version 2:* 3/54-8/70.

Objectives: To prepare selected junior officers for leadership and management roles, required of Air Force personnel in a dynamic domestic and international political environment.

Instruction: Seminars, lectures and field exercises in communication, leadership, management, group dynamics, foreign policy and military strategy. The communications area develops the individuals skills to solve problems logically and effectively. The leadership and management area emphasizes attributes, principles, techniques and concepts required in the utilization of men, money and materiel. Human relations, individual and group behavior patterns and motivation are emphasized. The foreign policy and military strategy area emphasizes the capabilities and employment concepts of military force, and includes a comparison of major political systems and international implications of military power. Student-centered instructional activities include role playing, video- and computer-assisted instruction and programmed learning.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in communications in management, 3 in organizational leadership and management, 3 in human relations and group dynamics, and 3 in foreign policy and military strategy (11/75). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in speech, and credit in political science on the basis of institutional evaluation (12/68).

AF-2203-0042

Missile Launch Officer, WS-133A
(Missile Launch Officer, SM-80)

Course Number: 3OBR1821G; OBR1821G; OZR1821G; OTS1824B-5.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 3-4 weeks (102-120 hours).

Exhibit Dates: 6/62-12/73.

Objectives: To train Air Force officers for the duties of a Missile Launch Officer.

Instruction: Course covers weapons system familiarization; initiation of launch command; command network tests; intercept network status; launch security; and emergency procedures on launch control equipment.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (7/74).

AF-2203-0043

Weapons Controller (SAGE)

Course Number: OBR1741B.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 14 weeks (408-420 hours).

Exhibit Dates: 10/61-12/68.

Objectives: To train selected Air Force officers to assume the duties of a tracking officer, identification officer, and intercept director in an air defense direction center.

Instruction: Covers fundamentals of air defense; principal features of manual and semi-automatic air defense systems; aspects of weather, air traffic control, communications, radar operations, and electronic countermeasures; processing data; and the purpose and use of direction center equipment.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (7/74).

AF-2203-0044

Air Weapons

Course Number: None.

Location: Air Command and Staff College, Maxwell AFB, AL.

Length: 7 weeks (308 hours).

Exhibit Dates: 1/56-12/68.

Objectives: To provide Air Force officers with a working knowledge of Air Force weapons and delivery systems.

Instruction: Lectures and seminars covering fundamentals of probability; ordnance weapons and employment; biological and chemical weapons and employment; nuclear weapons and employment; and delivery systems. Situation exercises illustrate procedures covered in the lectures.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (7/74).

AF-2203-0045

Weapons Controller (412L Systems)

Course Number: *Version 1:* 3OLR1741C. *Version 2:* OLR1741C; OZR1744C.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 4 weeks (108 hours). *Version 2:* 6-7 weeks (180-210 hours).

Exhibit Dates: *Version 1:* 5/69-12/73. *Version 2:* 5/63-4/69.

Objectives: To train selected officers to serve in an air weapon control system environment.

Instruction: Lectures and practical exercises in weapon system (412L)—air surveillance, identification, situation projections, and jamming and tracking; and weapons control, including equipment, data flow, informational displays, computer programs, Army weapons integration, and console operations.

Credit Recommendation: *Version X:* edit is not recommended because of the military military-specific of the course (7/74).

AF-2203-0046

Conventional Weapons Application
(Weapons Effects)

Course Number: 3OZR8081; OZR8081.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 4 weeks (108-120 hours).

Exhibit Dates: 2/66-12/73.

Objectives: To train personnel in intelligence fields in targeting and weaponry germane to the Southeast Asian environment.

Instruction: Lectures and practical experiences in identification, verification, and analysis of targets; types, characteristics, and applications of weapons; delivery systems and techniques; target selections; developments in advanced weaponry.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (7/74).

AF-2203-0047

Nuclear Weapons Specialist (CGM-13B, LCH Prep)

Course Number: AZR46330-1.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 3 weeks (90 hours).

Exhibit Dates: 3/67-12/68.

Objectives: To train airmen to perform as nuclear weapons specialists.

Instruction: Lectures and practical exercises in weapon systems orientation, nuclear and explosive safety, duties on a launch crew, installation checkout, and troubleshooting procedures for warhead.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (7/74).

AF-2203-0048

Weapons Controller (Manual)

Course Number: 3OBR1741A.

Location: 3380th Technical School, Keesler AFB, MS; 3625th Technical School, Tyndall AFB, FL.

Length: 8 weeks (240-320 hours).

Exhibit Dates: 6/68-12/73.

Objectives: To train officers as weapons controllers.

Instruction: Lectures and practical exercises in manual radarscope operations, air mass problem solution, radio/telephone procedures, intercept tactics, interceptor capabilities, fire control systems and weapons, and organization and operation of an air defense facility.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (7/74).

AF-2203-0049

Prior Service Military Training

Course Number: BT00014.

Location: 3275th Technical School, Lackland AFB, TX.

Length: 3 weeks (120 hours).

Exhibit Dates: 6/56-12/68.

Objectives: To provide further development of skills and knowledge to airmen with prior military service.

Instruction: Instruction covers military law, security, drill, weapons and marksmanship, and history of the Air Force.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (7/74).

AF-2203-0050

Flak Intelligence Officer

Course Number: OA2000; XX2000.

Location: 3415th Technical Training Group, Lowry AFB, CO; 3750th Technical Training Group, Sheppard AFB, TX.

Length: 7 weeks (180-210 hours).

Exhibit Dates: 1/54-1/57.

Objectives: To train officers in the principles of flak intelligence.

Instruction: Lectures and practical exercises in flak intelligence and analysis to include antiaircraft artillery and SAM materiel, gunnery, and tactics as related to flak analysis.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (10/75).

AR

AR-1703-0021

Wheeled Vehicle Mechanic

Course Number: 610-63B10.

Location: Ordnance and Chemical School, Aberdeen Proving Ground, Md.

Length: 8 weeks (251 hours).

Exhibit Dates: 11/76-Present.

Objectives: To train enlisted personnel in the operation and maintenance of wheeled vehicles

Instruction: Lectures and practical exercises in trouble shooting, repairing and correcting disorders in engines, fuel, electrical and coding systems, power trains, chassis and suspension system components of wheeled vehicles.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 6 semester hours in automative repair (1/78)

DD

DD-0326-0001

ARMED FORCES STAFF COLLEGE

Course Number: None.

Location: Armed Forces Staff College, Norfolk, VA.

Length: *Version 1:* 21 weeks (634 hours). *Version 2 :* 21 weeks (548-642 hours).

Exhibit Dates: *Version 1:* 6/73-Present. *Version 2:* 7/54-5/73.

Objectives: To train officers in joint and combined military organization, planning, and operations, and in related aspects of national and international security.

Instruction: Lectures, readings, and student research and discussions in joint and combined military organization, planning, and operations, and in related aspects of national and international security.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 6 semester hours in principles and problems of management, 3 in international relations (Current Problems in World Politics), 3 in contemporary U.S. military history and national security policy, 3 in communicative arts (8/74); in the graduate degree category, 3 semester hours in management and systems analysis (8/74). NOTE: Credit recommendation is based on an on-site evaluation. Recommendations of credit are maximum figures. The amount actually accepted for transfer depends upon the applicant's future academic goals and regulations of the admitting institution on transfer credit. *Version 2:* In the upper-division baccalaureate category, 6 semester hours in business administration, 6 in political science—including international relations—3 in recent military history (8/74).

DD-0327-0001

DEFENSE SECURITY ASSISTANCE MANAGEMENT OVERSEAS
(Core/Overseas)

Course Number: SAM-0.

Location: Defense Institute of Security Assistance, Wright-Patterson AFB, OH.

Length: 4-5 weeks (114 hours).

Exhibit Dates: 10/78-Present.

Objectives: To provide Department of Defense overseas representatives with the policies and procedures governing their conduct of operation overseas. Security assistance management is discussed from the national policy level through implementation by responsible agencies.

Instruction: This course covers the management of military sales to foreign countries as it relates to planning programming budget systems (PPBS), foreign policy, legal status overseas, physical security, cross cultural communications, government contracting, export controls and government procurement management. The method of instruction includes lecture, real-life case studies, simulator exercises and interaction with practitioners in the field.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in international business (11/78)

DD-0504-0001

INFORMATION SPECIALIST (JOURNALIST)
(Basic Military Journalist)

Course Number: ABA79130-1(USAF); 570-71Q20; A-570-0011(USN); 28-R-701.1.

Location: Defense Information School, Ft. Benjamin Harrison, IN; Defense Information School, Ft. Slocum, NY.

Length: *Version 1:* 10 weeks (396 hours). *Version 2:* 9-10 weeks (344-358 hours). *Version 3:* 10 weeks (396-440 hours).

Exhibit Dates: *Version 1:* 8/79-Present. *Version 2:* 4/72-7/79. *Version 3:* 12/64-3/72.

Objectives: To teach selected enlisted personnel the principles, techniques, and skills required in public information, service information, and community relations.

Instruction: *All Versions:* Lectures and practical experiences in print journalism, including interviewing techniques, news and feature writing, editing, newspaper layout and makeup; photojournalism, including the taking, processing, and printing of photographs; radio and television writing; speech; international relations and government; public affairs. Print media, broadcast media, and photography are emphasized. *Version 1:* Print media, public affairs photojournalism and broadcast journalism are emphasized. *Version 2:* Print media skills, public affairs and photojournalism emphasized. *Version 3:* Print media, broadcast media and photography are emphasized.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 5 semester hours in news writing and reporting (print), 2 in news writing and reporting (electronics), 2 in photojournalism and 2 in layout and design (2/80). *Version 2:* In the lower-division baccalaureate/associate degree category, 3 semester hours in mass communications and 3 in introduction to print and photojournalism (2/78). *Version 3:* In the vocational certificate category, 3 semester hours in mass media (12/73); in the lower-division baccalaureate/associate degree category, 3 semester hours in mass media (12/73); in the upper-division baccalaureate category, 3 semester hours in journalism, and credit in social sciences and oral communication on the basis of institutional evaluation (12/68).

DD-0504-0002

ADVANCED INFORMATION SPECIALIST

Course Number: *Version 1:* 570-F1. *Version 2:* 5AAA79170 (USAF); A-570-0012 (USN); 570-F1; 570-F1; A-570-0012; 5AAA79170. *Version 3:* 28-R-F1.

Location: *Version 1:* Defense Information School, Ft. Benjamin Harrison, IN. *Version 2 :* Defense Information School, Ft. Benjamin Harrison, IN. *Version 3 :* Defense Information School, Ft. Benjamin Harrison, IN; Defense Information School, Ft. Slocum, NY.

Length: *Version 1:* 3 weeks (106 hours). *Version 2:* 3 weeks (98-106 hours). *Version 3:* 8 weeks (352 hours).

Exhibit Dates: *Version 1:* 10/79-Present. *Version 2:* 9/72-9/79. *Version 3:* 3/55-8/72.

Objectives: To provide advanced training in the planning, supervision, and coordination of information activities for selected noncommissioned and petty officers who will perform duties as assistants to the officer-in-charge of an information office/section or a radio and television facility.

Instruction: *All Versions:* including news, headline, editorial, and feature writing; page layout and makeup; radio and television, including news and feature writing, announcing, studio operations, television camera techniques, control room operation, newscast preparation and production, blocking scripts, and television feature production. *Version 1:* Emphasis is placed on applied management and supervisory skills.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hour in media management (2/80). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in media management (journalism) (8/78). *Version 3:* In the vocational certificate category, 3 semester hours in mass media (12/73); in the lower-division baccalaureate/associate degree category, 3 semester hours in mass media (12/73); in the upper-division baccalaureate category, 3 semester hours in journalism, and credit in social sciences on the basis of institutional evaluation (12/68).

Related Occupation Codes: 71Q; 71Q.

DD-0504-0003

NEWSPAPER EDITOR

Course Number: 570-F2; A-570-0013; 5AZA79150.

Location: Defense Information School, Ft. Benjamin Harrison, IN.

Length: 3 weeks (118-132 hours).

Exhibit Dates: 7/68-Present.

Objectives: To provide additional print journalism instruction to personnel assigned as editors of military newspapers and magazines.

Instruction: Beginning in 1976, course becomes a highly individualized, self-paced program consisting of pretest, group-paced, self-paced, final performance test and newspaper improvement project. Subject areas include photojournalism, print journalism and public affairs. Lectures and practical experience cover all phases of newspaper production, culminating with a 4-page service newspaper or, beginning in 1976, a tabloid size page of a hypothetical military newspaper. Workshop includes communications law, Department of Defense policy on release of information, newsgathering, writing, editing, style, deadlines, photo selection and editing, and layout and page makeup.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in newspaper production (journalsim) (2/78).

DD-0504-0004

INFORMATION ENLISTED
(Information Specialist)

Course Number: 28-E-1; 28-R-701.1; 28-R-703.1; 28-R-703.2.

Location: Defense Information School, Ft. Benjamin Harrison, IN; Defense Information School, Ft. Slocum, NY.

Length: 8-10 weeks (278-345 hours).

Exhibit Dates: 11/56-12/68.

Objectives: To provide enlisted personnel with a working knowledge in the selection, evaluation, preparation, and dissemination of Army information through available media of communications.

Instruction: Policy and plans, including public relations philosophy and practice, and information aspects of unusual incidents, stressing the case-study approach; applied journalism, with performance skills in all tasks required to publish a service newspaper; research communications, stressing preparation of the information specialist for public speaking, speech writing, briefings, and group discussions; radio and television, including training in writing, announcing, and production staff functions; internal relations and government, stressing the U.S. international position in terms of world patterns.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in mass media (12/73); in the upper-division baccalaureate category, 2 semester hours in social studies, 1 in oral communications, and credit in journalism on the basis of institutional evaluation (12/68).

DD-0504-0005

TROOP INFORMATION AND EDUCATION ENLISTED

Course Number: 28-E-1.
Location: Defense Information School, Ft. Slocum, NY.
Length: 8 weeks (352 hours).
Exhibit Dates: 4/54–12/68.

Objectives: To train enlisted personnel to assist in the organization, operation, and supervision of troop information and education programs.

Instruction: Policies and operational procedures; speech preparation and presentation; discussion-leading techniques; organization of group study activities; testing procedures; advisement principles; practical exercises in newsgathering and newswriting; troop information radio broadcasting; comprehensive study of citizenship, history, government, and international affairs; fundamentals of typewriting.

Credit Recommendation: In the vocational certificate category, 2 semester hours in social studies, 1 in mass communications (12/73); in the lower-division baccalaureate/associate degree category, 2 semester hours in social studies, 1 in mass communications (12/73); in the upper-division baccalaureate category, 2 semester hours in social studies, 1 in oral communications (12/68).

DD-0504-0006

TROOP INFORMATION AND EDUCATION OFFICER

Course Number: 28-O-6.
Location: Defense Information School, Ft. Slocum, NY.
Length: 8 weeks (352–360 hours).
Exhibit Dates: 5/54–12/68.

Objectives: To train officers to supervise instruction periods and other activities of the Army's troop information and education programs.

Instruction: Policies and procedures; speech preparation and presentation; discussion-leading techniques; organization of group study activities; instructor selection; testing procedures; advisement principles; practical exercises in newsgathering and newswriting; troop information radio broadcasting; comprehensive study of citizenship, history, government, and international affairs.

Credit Recommendation: In the vocational certificate category, 2 semester hours in social studies, 1 in journalism (12/73); in the lower-division baccalaureate/associate degree category, 2 semester hours in social studies, 1 in journalism (12/73); in the upper-division baccalaureate category, 2 semester hours in social studies, 1 in journalism (12/68).

DD-0504-0007

PUBLIC INFORMATION OFFICER

Course Number: 28-O-5.
Location: Information School, Ft. Slocum, NY.
Length: 8 weeks (360 hours).
Exhibit Dates: 5/54–12/68.

Objectives: To train officers to perform and/or supervise the preparation of news stories, special articles, posters, photographs, radio and television programs, and other informational material for release to information media; to establish speakers bureaus; and to promote friendly relations with information media representatives and civilian communities.

Instruction: Policies and procedures; speech preparation and presentation; public speaking exercises; use of visual-mechanical aids; basic photographic techniques, including camera operation, film processing, photo printing, picture selection, film types and exposures, and picture story assignments; civilian press operation, organization, and philosophy; newswriting; preparation of material for radio and television broadcasts; citizenship, history, government, and international affairs.

Credit Recommendation: In the vocational certificate category, 2 semester hours in social studies, 1 in mass media (12/73); in the lower-division baccalaureate/associate degree category, 2 semester hours in social studies, 1 in mass media (12/73); in the upper-division baccalaureate category, 2 semester hours in social studies, 1 in oral communications (12/68).

DD-0504-0008

PUBLIC INFORMATION ENLISTED

Course Number: 28-E-2.
Location: Information School, Ft. Slocum, NY.
Length: 8 weeks (360 hours).
Exhibit Dates: 4/54–12/68.

Objectives: To train enlisted personnel to collect, prepare, and disseminate information to newspapers, magazines, radio, television, and other informational media, and to assist in promotion of other public relations activities.

Instruction: Policies and procedures; speech preparation and presentation; public speaking exercises; use of visual-mechanical aids; basic photographic techniques, including camera operation, film processing, photo printing, picture selection, film types and exposures, and picture story assignments; civilian press operation, organization, and philosophy; newswriting and related activities; preparation of material for radio and television broadcasts; citizenship, government, history, and international affairs; typing.

Credit Recommendation: In the vocational certificate category, 2 semester hours in social studies, 1 in mass media (12/73); in the lower-division baccalaureate/associate degree category, 2 semester hours in social studies, 1 in mass media (12/73); in the upper-division baccalaureate category, 2 semester hours in social studies, 1 in oral communications (12/68).

DD-0504-0009

1. INFORMATION OFFICER
2. INFORMATION OFFICER
3. INFORMATION OFFICER BASIC

Course Number: *All Versions:* 7G-5505. *Version 1:* 50BA7921-1; A-7G-0010; 7G-46A. *Version 2:* 50BA7921-1 (USAF); A-7G-0010. *Version 3:* 28-G-5505.
Location: Defense Information School, Ft. Benjamin Harrison, IN.
Length: *Version 1:* 8 weeks (306 hours). *Version 2:* 8 weeks (270–278 hours). *Version 3:* 8 weeks (284–285 hours).
Exhibit Dates: *Version 1:* 6/79–Present. *Version 2:* 1/72–5/79. *Version 3:* 1/65–12/71.

Objectives: To train commissioned officers as information specialists with competency in journalistic writing, editing, basic photography, radio and television writing and announcing, and public speaking.

Instruction: Lectures and practical exercises in the duties of an information specialist. Course includes journalistic writing and editing, basic photography, radio and television writing and announcing, public speaking, public information techniques and community relations, and study of international press and government attitudes.

Credit Recommendation: *Version 1:* Pending evaluation. *Version 2:* In the upper-division baccalaureate category, 6 semester hours in public relations (journalism)(2/78). *Version 3:* In the vocational certificate category, 6 semester hours in journalism (7/74); in the lower-division baccalaureate/associate degree category, 3 semester hours in journalism (7/74); in the upper-division baccalaureate category, 2 semester hours in social studies, 1 semester hour in oral communication, and additional credit in journalism on the basis of institutional evaluation (12/68).

DD-0504-0010

SHIPBOARD INFORMATION, TRAINING AND ENTERTAINMENT (SITE) SYSTEM OPERATORS (TELEVISION AFLOAT)

Course Number: A-570-0010(S) (USN).
Location: Defense Information School, Ft. Benjamin Harrison, IN.
Length: 2 weeks (81 hours).
Exhibit Dates: 10/76–Present.

Objectives: To train selected junior naval personnel as shipboard information, training, and entertainment system operators/administrators aboard designated ships.

Instruction: Through practical exercises, demonstration, and individual critique, the student learns the basics of video production, equipment utilization and maintenance, and external news relations.

Credit Recommendation: In the vocational certificate category, 1 semester hour in introduction to video production (2/78).

DD-0504-0011

INFORMATION OFFICER (RESERVE COMPONENT)

Course Number: 7G-F3 (RC).
Location: Defense Information School, Ft. Benjamin Harrison, IN.
Length: 2 weeks (69 hours).
Exhibit Dates: 6/72–Present.

Objectives: To train reserve officers in functions of information specialists with emphasis or public relations, writing for print and broadcast media, photo editing and composition, internal information and community relations,

Instruction: Lectures and exercises in the duties of an information specialist including public relations principles, writing and editing for print and broadcast media, techniques for use of broadcast equipment and exercises in public information problems.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in public relations (journalism)(2/78).

DD-0505-0001

1. Information Specialist (Broadcaster)
2. Information Specialist (Broadcaster)
3. Broadcast Specialist
4. Broadcast Specialist (Radio and Television Production Specialist)

Course Number: *Version 1:* 570-71R10 (USA); A-570-0010 (USN); 5ALA-79131 (USAF); 570 (USMC). *Version 2:* 570-71Q20; A-570-0010; 5ALA79131. *Version 3:* 570-71R20. *Version 4:* AZA72151-1; 28-R-703;1 28-R-703.2.

Location: Defense Information School, Ft. Benjamin Harrison, IN; Defense Information School, Ft. Slocum, NY.

Length: *Version 1:* 10 weeks (348-397 hours). *Version 2:* 10 weeks (348–397 hours). *Version 3:* 8 weeks (287–298 hours). *Version 4:* 3 weeks (110 hours).

Exhibit Dates: *Version 1:* 10/79–Present. *Version 2:* 11/69–9/79. *Version 3:* 5/66–10/69. *Version 4:* 7/64–4/66.

Objectives: To train selected enlisted personnel to perform as broadcasters for military radio or television outlets.

Instruction: *All Versions:* Lectures and practical experience in applied journalism, including newsgathering, motion picture operation and editing; speech and research training; intensive indoctrination in radio and television, including programming, writing, operation, logs, control room, TV production, broadcast regulations, and appropriate examinations; and study of international relations. *Version 1:* Does not include motion picture operation and editing, TV production, broadcast regulations and study of international relations. *Version 2:* Does not include motion picture operation and editing, TV production, broadcast regulations and study of internation relations.

Credit Recommendation: *Version 1:* Pending evaluation. *Version 2:* In the lower-division baccalaureate/associate degree category, 3 semester hours in basic writing for electronic media or continuity writing, 3 in introduction to radio and television techniques (2/78). *Version 3:* In the vocational certificate category, 6 semester hours in broadcast journalism (12/73); in the lower-division baccalaureate/associate degree category, 3 semester hours in broadcast journalism (12/73); in the upper-division baccalaureate category, 3 semester hours in radio and television programming (12/68). *Version 4:* In the vocational certificate category, 2 semester hours in broadcast journalism (12/73); in the lower-division baccalaureate/associate degree category, 1 semester hour in broadcast journalism (12/73); in the upper-division baccalaureate category, 1 semester hour in radio and television programming (12/68).

DD-0505-0002

Broadcast Officer

Course Number: *All Versions:* 7G-5522 (USA). *Version 1:* 7G-0011 (USN). *Version 2:* 7G-5522. *Version 3:* 28-A5522.

Location: Defense Information School, Ft. Benjamin Harrison, IN.

Length: *Version 1:* 6–7 weeks (229–257 hours). *Version 2:* 4 weeks (148 hours). *Version 3:* 3 weeks (110 hours).

Exhibit Dates: *Version 1:* 3/72–Present. *Version 2:* 12/67–2/72. *Version 3:* 7/64–11/67.

Objectives: To train selected commissioned officers, warrant officers, and civilians in the the basics of radio and television production. Additional management skills are introduced to provide the basic skills needed for: management of an American Forces Radio and Television Service (AFRTS) outlet, management of broadcast operations in a public affairs office, and management of stateside closed-circuit broadcast facilities.

Instruction: Course includes lectures and practical experiences in radio and television programming and production; additional individual attention to basic management skills.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 3 semester hours in introducton to radio and television production (2/78). *Version 2:* In the lower-division baccalaureate/associate degree category, 3 semester hours in radio and television programming (7/74) *Version 3:* In the lower-division baccalaureate/associate degree category, 1 semester hours in radio and television programming (7/74)

DD-0505-0003

Electronic Journalism

Course Number: 570-F3.

Location: Defense Information School, Ft. Benjamin Harrison, IN.

Length: 2 weeks (75 hours).

Exhibit Dates: 11/79–Present.

Objectives: To provide training in the planning, production, and editing of news and information features for television, utilizing electronic news gathering equipment and techniques.

Instruction: Training and practical experience in videotape editing techniques, portapak operations, and news gathering.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in electronic news gathering and editing techniques (2/80).

DD-0602-0001

Defense Language Institute Basic Courses (1954–1956)
(Albanian)
(Arabic)
(Bulgarian)
(Chinese—Cantonese)
(Chinese—Mandarin)
(Czech)
(Danish)
(French)
(German)
(Greek)
(Hungarian)
(Italian)
(Japanese)
(Korean)
(Norwegian)
(Persian)
(Polish)
(Portuguese)
(Romanian)
(Russian)
(Serbo-Croatian)
(Spanish)
(Swedish)
(Turkish)

Course Number: None.

Location: Army Language School, Presidio of Monterey, CA.

Length: 23–46 weeks.

Exhibit Dates: 1/54–12/56.

Objectives: To train officers and enlisted personnel in the interpretation or translation of a foreign language, and to provide basic military, geographic, economic, historical, and political information about the country or area in which the language is spoken. (These area studies are taught in the foreign language.)

Instruction: Lectures, discussions, and oral drills on the language of a foreign country and basic military, geographic, economic, historical, and political information about the country in which the language is spoken. While these courses are listed as Basic, it should be understood that this is the terminology used by the armed forces to indicate that the courses are their 'regular' programs in the various languages. They are not limited to what most civilian institutions would term beginning or basic courses in a language.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, 18 semester hours in ALBANIAN for the 46-week course; 18 in ARABIC for the 46-week course; 18 in BULGARIAN for the 46-week course; 26 in CHINESE—CANTONESE for the 46-week course; 26 in CHINESE—MANDARIN for the 46-week course; 18 in CZECH for the 46-week course; 15 in DANISH for the 23-week course; 15 in FRENCH for the 23-week course; 15 in GERMAN for the 23-week course; 18 in GREEK for the 46-week course; 18 in HUNGARIAN for the 46-week course; 15 in ITALIAN for the 23-week course; 26 in JAPANESE for the 46-week course; 18 in KOREAN for the 46-week course; 15 in NORWEGIAN for the 23-week course; 18 in PERSIAN for the 46-week course; 18 in POLISH for the 46-week course; 15 in PORTUGUESE for the 23-week course; 18 in ROMANIAN for the 36-week course; 18 in RUSSIAN for the 46-week course; 18 in SERBO-CROATIAN for the 46-week course; 15 in SPANISH for the 23-week course; 15 in SWEDISH for the 23-week course; 18 in TURKISH for the 46-week course (8/74). NOTE: The credit recommended for these programs is based not only upon the type of course given, but also upon the relative difficulty of the language studied. The various languages given by the Defense Language Institute are listed in accordance with their level of difficulty as follows: (1) The least difficult languages for the English speaking learner (Danish, French, German, Italian, Norwegian, Portuguese, Romanian, Spanish, Swedish, and Swahili); (2) languages of greater difficulty, but with alphabetical writing systems which may be learned concurrently without appreciably affecting the progress in learning the spoken language (Albanian, Bulgarian, Burmese, Czech, Finnish, Greek, Hungarian, Indonesian, Lithuanian, Persian, Polish, Russian, Serbo-Croatian, Slovenian, Thai, Turkish, Ukrainian, and Vietnamese); and (3) the more difficult languages where the reading problem is complicated (Arabic, Chinese, Japanese, and Korean).

DD-0602-0002

Defense Language Institute Basic Courses (After 1956)
(Albanian)
(Arabic)
(Bulgarian)
(Burmese)
(Chinese—Cantonese)
(Chinese—Fukienese)
(Chinese—Toishan)
(Chinese—Mandarin)
(Czech)

(Danish)
(Finnish)
(French)
(German)
(Greek)
(Hungarian)
(Indonesian)
(Indonesian—Malay)
(Italian)
(Italian—Sicilian)
(Japanese)
(Korean)
(Lithuanian)
(Malay)
(Norwegian)
(Persian)
(Polish)
(Portuguese)
(Romanian)
(Russian)
(Serbo-Croatian)
(Slovenian)
(Spanish)
(Swahili)
(Swedish)
(Thai)
(Turkish)
(Ukrainian)
(Vietnamese—Saigon Dialect)
(Vietnamese—Hanoi Dialect)

Course Number: None.

Location: West Coast Branch, Presidio of Monterey, CA.

Length: 24–47 weeks.

Exhibit Dates: 1/57–Present.

Objectives: To train military personnel in the interpretation and translation of the designated language and to provide basic military, geographic, economic, historical, and political information about the country, and/or area, in which the language is spoken. (These area studies are taught in the foreign language.)

Instruction: Lectures, discussions, and oral drills in the interpretation and translation of the designated language, and additional training in the basic military, geographic, economic, historical, and political information about the country in which the language is spoken. NOTE: While these courses are listed as Basic, it should be understood that this is the terminology used by the Armed Forces to indicate that the courses are their 'regular' programs in the various languages. They are not limited to what most civilian institutions would term beginning or basic courses in a language.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, 21 semester hours in ALBANIAN for the 47-week course; 27 in ARABIC for the 47-week course (21 semester hours if the course was taken prior to 1970); 21 in BULGARIAN for the 47-week course; 21 in BURMESE for the 47-week course; 27 in CHINESE—CANTONESE for the 47-week course; 27 in CHINESE—FUKIENESE for the 47-week course; 27 in CHINESE—TOISHAN for the 47-week course; 27 in CHINESE—MANDARIN for the 47-week course; 21 in CZECH for the 47-week course; 15 in DANISH for the 24-week course; 21 in FINNISH for the 47-week course; 15 in FRENCH for the 24-week course; 15 in GERMAN for the 24-week course, 17 for the 32-week course (15 semester hours if the course was taken prior to 1970); 21 in GREEK for the 47-week course; 21 in HUNGARIAN for the 47-week course; 18 in INDONESIAN for the 36-week course, 21 for the 47-week course; 21 in INDONESIAN—MALAY for the 47-week course; 15 in ITALIAN for the 24-week course; 18 in ITALIAN—SICILIAN for the 37-week course; 27 in JAPANESE for the 47-week course; 27 in KOREAN for the 47-week course; 21 in LITHUANIAN for the 47-week course; 18 in MALAY for the 36-week course; 15 in NORWEGIAN for the 24-week course; 21 in PERSIAN for the 47-week course; 21 in POLISH for the 47-week course; 15 in PORTUGUESE for the 24-week course; 18 in ROMANIAN for the 37-week course; 21 in RUSSIAN for the 47-week course; 21 in SERBO-CROATIAN for the 47-week course; 21 in SLOVENIAN for the 47-week course; 15 in SPANISH for the 24-week course; 18 in SWAHILI for the 37-week course; 15 in SWEDISH for the 24-week course; 21 in THAI for the 47-week course; 18 in TURKISH for the 41-week course, 21 for the 47-week course; 21 in UKRAINIAN for the 47-week course; 21 in VIETNAMESE—HANOI DIALECT for the 47-week course; 21 in VIETNAMESE—SAIGON DIALECT for the 47-week course (8/74).

DD-0602-0003

DEFENSE LANGUAGE INSTITUTE AURAL COMPREHENSION COURSES

(Albanian)
(Arabic)
(Bulgarian)
(Burmese)
(Chinese—Mandarin)
(Czech)
(French)
(German)
(Hungarian)
(Indonesian)
(Japanese)
(Korean)
(Persian)
(Polish)
(Portuguese)
(Romanian)
(Russian)
(Russian Stenotype)
(Serbo-Croatian)
(Spanish)
(Thai)
(Turkish)
(Vietnamese—Hanoi Dialect)

Course Number: None.

Location: West Coast Branch, Presidio of Monterey, CA.

Length: 23–50 weeks.

Exhibit Dates: 1/54–Present.

Objectives: To train students to comprehend the designated language as spoken by a foreign national.

Instruction: The Aural Comprehension Courses were established at the West Coast Branch on July 1, 1964 (except for the courses in Russian, which were offered previously). Although some reading and writing is included in these courses, they are designed primarily to teach students to comprehend the language as spoken by a foreign national. The spoken language is emphasized as a necessary corollary for developing comprehension skill.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, 15 semester hours in ALBANIAN for the 37-week course; 15 in ARABIC for the 47-week course; 15 in BULGARIAN for the 37-week course; 12 in BURMESE for the 37-week course; 12 in CHINESE—MANDARIN for the 33-week course, 15 for the 37-week course, 18 for the 47-week course, and 12 for the 32-week SPECIAL course; 15 in CZECH for the 37-week course; 12 in FRENCH for the 24-week course; 12 in GERMAN for the 24-week course; 15 in HUNGARIAN for the 37-week course; 15 in INDONESIAN for the 37-week course; 15 in JAPANESE for the 37-week course; 12 in KOREAN for the 37-week course; 15 in PERSIAN for the 37-week course; 15 in POLISH for the 37-week course; 12 in PORTUGUESE for the 24-week course; 15 in ROMANIAN for the 37-week course; 15 in RUSSIAN for the 23- or the 24-week course, 18 for the 37-week RUSSIAN course or the 50-week RUSSIAN STENOTYPE course; 15 in SERBO-CROATIAN for the 37-week course; 12 in SPANISH for the 24-week course; 12 in THAI for the 37-week course; 15 in TURKISH for the 37-week course; 15 in VIETNAMESE—HANOI DIALECT for the 37-week course, 18 for the 47-week course (8/74). NOTE: Since the Aural Comprehension Courses do not place equal stress on the four language skills, they are recommended for less credit than the Basic Courses. It will be noted that the maximum credit recommended for a 37-week Aural Comprehension Course varies from 12 to 18 semester hours. This credit variation is based primarily upon the higher reading and writing content in those courses recommended for 15 and 18 semester hours. The 50-week Russian Stenotype Course includes the regular 37-week Russian Aural Comprehension Course and 13 weeks of stenotype training. Also: The credit recommended for the program is based not only upon the type of course given, but also upon the relative difficulty of the language studied. The various languages given by the Defense Language Institute are listed in accordance with their level of difficulty as follows: (1) the least difficult languages for the English-speaking learner (Danish, French, German, Italian, Norwegian, Portuguese, Romanian, Spanish, Swedish, and Swahili); (2) languages of greater difficulty, but with alphabetical writing systems which may be learned concurrently without appreciably affecting the progress in learning the spoken language (Albanian, Bulgarian, Burmese, Czech, Finnish, Greek, Hungarian, Indonesian, Lithuanian, Persian, Polish, Russian, Serbo-Croatian, Slovenian, Thai, Turkish, Ukrainian and Vietnamese); and (3) the more difficult languages where the reading problem is complicated (Arabic, Chinese, Japanese, and Korean).

DD-0602-0004

DEFENSE LANGUAGE INSTITUTE SHORT BASIC COURSES

(Arabic)
(French)
(German)
(Greek)
(Indonesian)
(Italian)
(Japanese)
(Korean)
(Persian)
(Portuguese)
(Romanian)
(Spanish)
(Thai)
(Turkish)
(Vietnamese—Saigon Dialect)

Course Number: None.

Location: West Coast Branch, Presidio of Monterey, CA.

Length: 6–24 weeks.

Exhibit Dates: 1/54–Present.

Objectives: To train officer and enlisted personnel from each branch of the armed services, and certain civilian personnel, in the comprehension, speaking, reading, and writing of the target language at a limited fluency level, with primary emphasis on comprehension and speaking; and to provide basic military, geographic, cultural, and political information about the country or area in which the language is spoken.

Instruction: Lectures, discussions, and oral drills in the comprehension, speaking, reading, and writing of the target language, and additional training in the basic military, geographic, cultural, and political information about the country or area in which the language is spoken. NOTE: The Short Basic Courses at the West Coast Branch are abbreviated versions of the Basic Courses, using the same instructional materials. Less credit is recommended for these programs than for the Basic Courses. However, it will be noted that certain Short Basic Courses, although not as long as the Aural Comprehension Courses in the same languages, carry the same or larger credit recommendations. The difference in these recommendations can be attributed to the fact that the Short Basic Courses are 'more academically suitable' than the Aural Comprehension Courses (i.e., they have a higher reading and writing content).

Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, 8 semester hours in ARABIC for the 12-week course, 15 for the 24-week course; 8 in FRENCH for the 12-week course; 8 in GERMAN for the 12-week course, 10 for the 16-week course; 8 in GREEK for the 12-week course; 8 in INDONESIAN for the 12-week course; 8 in ITALIAN for the 12-week course; 8 in JAPANESE for the 12-week course; 8 in KOREAN for the 16-week course, 15 for the 24-week course; 8 in PERSIAN for the 12-week course, 15 for the 24-week course; 8 in PORTUGUESE for the 11- or 12-week course; 8 in ROMANIAN for the 12-week course; 8 in SPANISH for the 11- or 12-week course; 8 in THAI for the 12-week course, 10 for the 16-week course, and 15 for the 24-week course; 8 in TURKISH for the 12-week course; 3 in VIETNAMESE—SAIGON DIALECT for the 6-week course, 8 for the 8- or 12-week course, 10 for the 16-week course, 15 for the 32-week course (8/74). NOTE: The credit recommended for these programs is based not only upon the type of course given, but also upon the relative difficulty of the language studied. The various languages given by the Defense Language Institute are listed in accordance with the level of difficulty as follows: (1) the least difficult languages for the English-speaking learner (Danish, French, German, Italian, Norwegian, Portuguese, Romanian, Spanish, Swedish, and Swahili); (2) languages of greater difficulty, but with alphabetical writing systems which may be learned concurrently without appreciably affecting the progress in learning the spoken language (Albanian, Bulgarian, Burmese, Czech, Finnish, Greek, Hungarian, Indonesian, Lithuanian, Persian, Polish, Russian, Serbo-Croatian, Slovenian, Thai, Turkish, Ukrainian, and Vietnamese); and (3) the more difficult languages where the reading problem is complicated (Arabic, Chinese, Japanese, and Korean).

DD-0602-0005

DEFENSE LANGUAGE INSTITUTE
EXTENDED OR BASIC-INTERMEDIATE COURSES
(Chinese—Mandarin)
(German)
(Japanese)
(Korean)
(Russian)
(Vietnamese)

Course Number: None.

Location: West Coast Branch, Presidio of Monterey, CA.

Length: 24–75 weeks.

Exhibit Dates: 1/54–Present.

Objectives: To train military personnel to a higher level of proficiency in the interpretation and translation of the designated language than is provided for in the scope of instruction of the Basic Courses and to provide, in the language, a somewhat wider knowledge of military, geographic, economic, historic, and political information of the country and/or area in which the language is spoken.

Instruction: BASIC-INTERMEDIATE COURSES: The designation "basic-intermediate" given by the military to the courses should not be confused with this term as used by civilian educational institutions. The Commission's consultants recommend as much as 40 semester hours for each course because of the material that the students are required to read and, in some cases, because of the characters to be learned and the level of the syntax. However, it is recognized that most civilian educational institutions would be reluctant to grant the full amount of credit recommended for the 74- to 75-week courses inasmuch as this would constitute a major in the language. It is further recognized that most colleges and universities would require some resident work in a major. Nevertheless, it was the consensus of the consultants that these programs correspond to college courses 'directed to mastery of the language." In other words, the courses are the equivalent of beginning, intermediate, and advanced courses in the language, plus composition, advanced composition (i.e., learning to write correctly), conversation, and a semester's course in the civilization of the appropriate country or area. It should be noted that no creative writing or literature is given in these programs. EXTENDED COURSES: These courses, which range from 24–37 weeks in length, are attended by students who have already completed a Basic or Aural Comprehension course. The primary objective of this addon training is to improve language competency. Whereas in the Basic course the audio-lingual skills were stressed, equal emphasis is put on all four language skills in the Extended Course. Pronunciation is expected to undergo considerable refinement, as is the size of the student's vocabulary. Fluency in reading is developed to the point of direct comprehension of the printed page. Proficiency in writing includes mastery of forms, such as official, business, and social correspondence. Equal in importance to language competency is the matter of area knowledge. The Extended Course treats in considerable depth all facets of the country's contemporary civilization, together with a study of the historical development of the area.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, 40 semester hours in CHINESE—MANDARIN for the 74- to 75-week course; 15 in GERMAN for the 24-week course; 40 in JAPANESE for the 74- to 75-week course; 40 in KOREAN for the 74-75 week course; 18 in KOREAN for course, 40 for the 74- to 75-week course; 40 in VIETNAMESE for the 74-week course (8/74). In the graduate category, 6 semester hours in CHINESE—MANDARIN for the 74- to 75-week course; 6 in JAPANESE for the 74- to 75-week course; 6 in KOREAN for the 74- to 75-week course; 6 in RUSSIAN for the 74- to 75-week course; 6 in VIETNAMESE for the 74- to 75-week course (8/74). NOTE: The credit recommended for the programs is based not only upon the type of course given, but also upon the relative difficulty of the language studied. The various languages given by the Defense Language Institute are listed in accordance with their level of difficulty as follows: (1) the least difficult languages for the English-speaking learner (Danish, French, German, Italian, Norwegian, Portuguese, Romanian, Spanish, Swedish, and Swahili); (2) languages of greater difficulty, but with alphabetical writing systems which may be learned concurrently without appreciably affecting the progress in learning the spoken language (Albanian, Bulgarian, Burmese, Czech, Finnish, Greek, Hungarian, Indonesian, Lithuanian, Persian, Polish, Russian, Serbo-Croatian, Slovenian, Thai, Turkish, Ukrainian, and Vietnamese); and (3) the more difficult languages where the reading problem is complicated (Arabic, Chinese, Japanese, and Korean). the 37-week course; 18 in RUSSIAN for the 37-week

DD-0602-0006

DEFENSE LANGUAGE INSTITUTE
INTERMEDIATE COURSES
(Arabic)
(Bulgarian)
(Chinese—Mandarin)
(Czech)
(French)
(German)
(Korean)
(Polish)
(Romanian)
(Russian)
(Serbo-Croatian)
(Spanish)
(Vietnamese)

Course Number: None.

Location: West Coast Branch, Presidio of Monterey, CA.

Length: 16–37 weeks.

Exhibit Dates: 1/54–Present.

Objectives: The Intermediate Courses at the West Coast Branch are a continuation of the Basic Courses with the objective of reaching a higher level of general language ability in all four language skills.

Instruction: Whereas in the Basic Course the audio-lingual skills were stressed, equal emphasis is put on all four language skills in the Intermediate Course. Pronounciation will undergo refinement through constant practice. All important structures are presumed to have been learned in the Basic Course; however, an extensive review is programmed, and new structures are taught functionally, as needed in dealing with the course content. Vocabulary count, customary indicator of the scope of a course, will increase rapidly and extensively. Active vocabulary is expected to double, and passive vocabulary to expand considerably. Fluency in reading is developed to the point of direct comprehension of the printed page. Proficiency in writing includes mastery of forms, such as official business, and social correspondence. Equal in importance to language competency is the matter of area knowledge. The Intermediate Course purports to treat in considerable depth all facets of the country's contemporary civilization, together with a study of the historical development of the area.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, 18 semester hours in ARABIC for the 37-week course; 18 in BULGARIAN for the 37-week course; 18 in CHINESE—MANDARIN for the 37-week course; 18 in CZECH for the 36-week course; 10 in FRENCH for the 16-week course; 9 in GERMAN for the 24-week course; 18 in KOREAN for the 24-week course; 18 in POLISH for the 36-week course; 15 in ROMANIAN for the 24-week course; 18 in RUSSIAN for the 37-week course; 18 in SERBO-CROATIAN for the 37-week course; 15 in SPANISH for the 24-week course; 18 in VIETNAMESE for the 37-week course (8/74). In the graduate degree category, 6 semester hours in CHINESE—MANDARIN for the 37-week course; 6 in KOREAN for the 37-week course (8/74). NOTE: The credit recommended for the programs is based not only upon the type of course given, but also upon the relative difficulty of the language studied. The various languages given by the Defense Language Institute are listed in accordance with their level of difficulty as follows: (1) the least difficult languages for the English-speaking learner (Danish, French, German, Italian, Norwegian, Portuguese, Romanian, Spanish, Swedish, and Swahili); (2) languages of greater difficulty, but with alphabetical writing systems which may be learned concurrently without appreciably affecting the progress in learning the spoken language (Albanian, Bulgarian, Burmese, Czech, Finnish, Greek, Hungarian, Indonesian, Lithuanian, Persian, Polish, Russian, Serbo-Croatian, Slovenian, Thai, Turkish, Ukrainian, and Vietnamese); and (3) the more difficult languages where the reading problem is complicated (Arabic, Chinese, Japanese, and Korean).

DD-0602-0007

Defense Language Institute
Advanced Courses
(Chinese—Mandarin)
(Russian)

Course Number: None.
Location: West Coast Branch, Presidio of Monterey, CA.
Length: 37 weeks.
Exhibit Dates: 1/69–Present.

Objectives: To train selected Department of Defense personnel in foreign languages at a more advanced level of proficiency than is provided in Defense Language Institute Extended or Intermediate Courses; and to provide a wide knowledge of cultural, geographical, economic, historical, and political information on the area in which the language is spoken.

Instruction: The advanced course places equal emphasis upon the development of all four language skills. There is no specialized or technical terminology in the course. It includes a total vocabulary of approximately 4,000 terms, over and above that covered in previous courses, that cover all general, nontechnical communication situations that one would normally encounter in the country of the target language. The cultural complex within which the language is spoken is covered extensively: history, economics, geography, politics, military, ethnic groups, languages, attitudes, customs and mores of the people, etc.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, 18 semester hours in CHINESE—MANDARIN for the 37-week course; 18 in RUSSIAN for the 37-week course (8/74). NOTE: The credit recommended for the programs is based not only upon the type of course given, but also upon the relative difficulty of the language studied. The various languages given by the Defense Language Institute are listed in accordance with their level of difficulty as follows: (1) the least difficult languages for the English-speaking learner (Danish, French, German, Italian, Norwegian, Portuguese, Romanian, Spanish, Swedish, and Swahili); (2) languages of greater difficulty, but with alphabetical writing systems which may be learned concurrently without appreciably affecting the progress in learning the spoken language (Albanian, Bulgarian, Burmese, Czech, Finnish, Greek, Hungarian, Indonesian, Lithuanian, Persian, Polish, Russian, Serbo-Croatian, Slovenian, Thai, Turkish, Ukrainian, and Vietnamese); and (3) the more difficult languages where the reading problem is complicated (Arabic, Chinese, Japanese, and Korean).

DD-0602-0008

Defense Language Institute Special
Courses
(Scientific Russian)
(Russian Refresher)

Course Number: None.
Location: West Coast Branch, Presidio of Monterey, CA.
Length: 6–12 weeks.
Exhibit Dates: 1/54–Present.

Objectives: The objective of the Scientific Course is to train military personnel to read and translate Russian technical and scientific publications and to speak and understand conversational Russian to a limited extent; the Refresher Course is designed to enable personnel to regain a basic competence in comprehension of the standard literary language.

Instruction: The Scientific Course includes instruction in Russian phonology and writing systems; oral exercises in elementary speech patterns; Russian structural patterns; reading practice; problems in lexicology; identification of Russian words and cognates; and scientific terminology. The Refresher Course provides an accelerated, systematic review of grammar and vocabulary.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, or in the upper-division baccalaureate category, credit in scientific Russian or Russian (refresher) on the basis of institutional evaluation (8/74).

DD-0602-0009

Defense Language Institute
Courses—East Coast Branch
(Arabic)
(Chinese—Mandarin)
(French)
(German)
(Italian)
(Portuguese)
(Russian)
(Spanish)
(Turkish)
(Vietnamese—Hanoi Dialect)
(Vietnamese—Saigon Dialect)

Course Number: None.
Location: East Coast Branch, Washington, DC.
Length: 8–60 weeks.
Exhibit Dates: 1/54–Present.

Objectives: The Intensive Courses are designed to make military personnel thoroughly at ease in the speaking, understanding, reading, and writing of a foreign language; the shorter courses are designed to give students a limited command of the language.

Instruction: Lectures, discussions, and oral drills in the speaking, understanding, reading, and writing of a foreign language, with additional training in area studies, including the geography, history, politics, economics, government, social structure, and military situations pertaining to the area.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, 18 semester hours in ARABIC for the 40-week course, 27 for the 47-week course (21 semester hours if the course was taken prior to 1970); 27 in CHINESE—MANDARIN for the 47-week course, 30 for the 60-week course, 18 for the special 9-month course; 4 in FRENCH for the 8-week course, 8 for the 12-week course, 12 for the 19-week course, 15 for the 24-week course; 4 in GERMAN for the 8-week course, 8 for the 12-week course, 17 for the 32-week course (15 semester hours if the course was taken prior to 1970), 18 for the 36-week course; 4 in ITALIAN for the 8-week course, 8 for the 12-week course, 15 for the 24-week course; 4 in PORTUGUESE for the 8-week course, 8 for the 12-week course, 12 for the 21-week course, 15 for the 24-week course; 18 in RUSSIAN for the 36-week course, 21 for 47-week course, 15 for the special 6-month course; 4 in SPANISH for the 8-week course, 8 for the 12-week course, 12 for the 19-week course, 15 for the 24-week course; 18 in TURKISH for the 36-week course, 21 for the 47-week course; 18 in VIETNAMESE—HANOI DIALECT for the 36-week course; 18 in VIETNAMESE—SAIGON DIALECT for the 36-week course, 21 for the 47-week course (8/74). In the graduate degree category, 3 semester hours in CHINESE—MANDARIN for the 60-week course (8/74). NOTE: The credit recommended for the programs is based not only upon the type of course given, but also upon the relative difficulty of the language studied. The various languages given by the Defense Language Institute are listed in accordance with the level of difficulty as follows: (1) the least difficult languages for the English-speaking learner (Danish, French, German, Italian, Norwegian, Portuguese, Romanian, Spanish, Swedish, and Swahili); (2) languages of greater difficulty, but with alphabetical writing systems which may be learned concurrently without appreciably affecting the progress in learning the spoken language (Albanian, Bulgarian, Burmese, Czech, Finnish, Greek, Hungarian, Indonesian, Lithuanian, Persian, Polish, Russian, Serbo-Croatian, Slovenian, Thai, Turkish, Ukrainian, and Vietnamese); and (3) the more difficult languages where the reading problem is complicated (Arabic, Chinese, Japanese, and Korean).

DD-0602-0010

Defense Language Institute Support
Command Courses
(Basic Vietnamese—Saigon Dialect)
(Aural Comprehension Vietnamese—Hanoi Dialect)
(Short Basic Vietnamese—Saigon Dialect)

Course Number: None.
Location: Biggs Field, El Paso, TX.
Length: 12–47 weeks.
Exhibit Dates: 1/54–Present.

Objectives: The Basic Course provides personnel with training in the interpretation and translation of the designated language, as well as basic military, geographic, economic, historical, and political information about the area in which the language is spoken; the Aural Comprehension Course is designed primarily to teach students to comprehend the language as spoken by a foreign national; the Short Basic Course is an accelerated version of the Basic Course.

Instruction: Lectures, discussions, and oral drills in the designated language. Basic Course: The term, 'Basic' as used by the military, indicates a 'regular' course in the language; i.e., the Basic Course is not limited to what most civilian institutions would term beginning or basic courses in the language. Aural Comprehension Course: Although some reading and writing is included, the spoken language is emphasized. Since the Aural Comprehension Courses do not place equal stress on the four language skills, they are recommended for less credit than the Basic Courses. Short Basic Course: Intensive training in the same material covered in the Basic Course.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, 21 semester hours in VIETNAMESE—SAIGON DIALECT for the 47-week BASIC course, 8 for the 12-week SHORT BASIC course, 15 for the 32-week SHORT BASIC course; 18 in VIETNAMESE—HANOI DIALECT for the 47-week AURAL COMPREHENSION course (8/74).

DD-0602-0011

National Cryptologic School
Resident Language Courses
(Basic Chinese—Refresher)
(Basic Russian—Refresher)
(Basic Vietnamese)

Course Number: None.

Location: National Cryptologic School, Ft. Meade, MD.

Length: 21-30 weeks.

Exhibit Dates: 1/54-Present.

Objectives: The 12-week Refresher courses are designed to enable personnel to regain a basic competence in comprehension of the standard literary language by an accelerated, systematic review of grammar and vocabulary. (A basic course in the language is assumed as a prerequisite); the 30-week Basic Vietnamese course is designed to teach personnel the grammar and vocabulary necessary for a basic comprehension of the standard literary language with emphasis on a thorough understanding of structure.

Instruction: Refresher Courses: Phonology; writing system; basic vocabulary of economic, political, and military terms. Basic Vietnamese: In addition to the preceding instruction, this course includes grammar (morphology, derivation, and syntax).

Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, 6 semester hours in CHINESE for the 12-week basic (refresher) course; 3 in RUSSIAN for the 12-week basic (refresher) course; 15 in Vietnamese for the 30-week basic course (8/74).

DD-1402-0001

Command and Control

Course Number: None.

Location: Department of Defense Computer Institute, Washington, DC.

Length: 3 weeks (105 hours).

Exhibit Dates: 5/69-Present.

Objectives: To provide personnel with an introduction to automatic data processing and computer technology.

Instruction: Lectures and practical exercises in automatic data processing and computer technology, including survey of computers and peripheral equipment, computer fundamentals, source data collection, data communications, systems analysis, main memory and data representation, codes, fixed-word-length machine concepts, higher-level languages, and ADP system management.

Credit Recommendation: In the vocational certificate category, 3 semester hours in principles of data processing (7/74); in the lower-division baccalaureate/associate degree category, 3 semester hours in principles of data processing (7/74); in the upper-division baccalaureate category, 2 semester hours in introduction to computer principles (12/68).

DD-1402-0002

Introduction to Computer
Technology

Course Number: None.

Location: Department of Defense Computer Institute, Washington, DC.

Length: 2 weeks (65 hours).

Exhibit Dates: 8/77-Present.

Objectives: Course is designed to provide an educational background for middle-management personnel who are general-purpose digital computer systems users and have had little or no previous introduction to data processing principles.

Instruction: Course covers computer capabilities, limitations and applications; the basics of computer hardware and software; systems development management considerations, planning and design; and an introduction to operations research and analysis and quantitative techniques. The student is provided hands-on programming experience with a remote, time-sharing computer terminal using the BASIC programming language.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in data processing principles (5/77).

DD-1402-0003

Computer Orientation for
Intermediate Executives

Course Number: None.

Location: Department of Defense Computer Institute, Washington, DC.

Length: 2 weeks (65 hours).

Exhibit Dates: 8/77-Present.

Objectives: Course is designed to provide an educational background for high-level management personnel who are general-purpose digital computer systems users and have had little or no previous introduction to data processing principles.

Instruction: Course covers computer capabilities, limitations, and applications; the basics of computer hardware and software; systems development management considerations; planning and design; and an introduction to operations research and analysis and quantitative techniques. The student is provided hands-on programming experience with a remote, time-sharing computer terminal using the BASIC programming language.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in data processing principles (5/77).

DD-1408-0001

Defense Security Assistance
Management Core

Course Number: SAM-C-11.

Location: Defense Institute of Security Assistance, Wright-Patterson AFB, OH.

Length: 2 weeks (112 hours).

Exhibit Dates: 10/77-Present.

Objectives: To provide an understanding of security assistance management from a national policy level through implementation by responsible agencies with emphasis on attendant planning and programming of the process.

Instruction: Instruction includes United States involvement in security assistance, its purpose, nature, basis, authority and current programs as they relate to government contracting and procurement management. The methods of instruction include lecture, case studies, simulator exercises and interaction with practitioners in the field.

Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (11/78)

DD-1408-0002

Program Management

Course Number: None.

Location: Defense Systems Management College, Ft. Belvoir, VA.

Length: 20 weeks (393 hours).

Exhibit Dates: 1/73-Present.

Objectives: To offer managers from the government, the military and industry skills and knowledge to successfully manage defense systems acquisition programs.

Instruction: Lectures, discussions and cases cover the following areas: defense program and project management including program cost management, contract management, procurement policy and logistics; production and operations management including quantitive methods; general management and organizational behavior; and managerial finance and accounting.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in production and operations management, 2 in managerial finance, and 1 in general management (4/80) in the graduate degree category, 9 semester hours in defense program and project management (If the student has already completed the course, Program Management for Functional Managers (Program Management for Contract Administration), only 6 hours additional credit is recommended) (4/80).

DD-1408-0003

Industry Financial Management

Course Number: None.

Location: Defense Systems Management College, Ft. Belvoir, VA.

Length: 2 weeks (60 hours).

Exhibit Dates: 1/75-Present.

Objectives: The course provides the participant with an introduction to basic financial analysis.

Instruction: The course provides an overview of finance and managerial accounting, emphasizing the case approach. Topics covered include financial statement analysis, cost accounting, capital budgeting and contract pricing.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester

hour in finance and managerial accounting (4/80).

DD-1408-0004

Program Management for Functional Managers
(Program Management for Contract Administration)

Course Number: None.
Location: Defense Systems Management College, Ft. Belvoir, VA.
Length: 4 weeks (120 hours).
Exhibit Dates: 12/78–Present.
Objectives: To introduce contract administrators to program management systems.
Instruction: Lectures, discussion and cases in defense program and project management, systems acquisition, and functional management.
Credit Recommendation: In the graduate degree category, 3 semester hours in defense program and project management (4/80).

DD-1511-0001

National Security Management
(Correspondence Course of the Industrial College of the Armed Forces)

Course Number: None.
Location: Industrial College of the Armed Forces, Ft. Leslie J. McNair, Washington, DC.
Length: 52–104 weeks.
Exhibit Dates: 5/71–Present.
Objectives: To train officers in economic and industrial aspects of national security and the management of resources under all conditions and in the context of national and world affairs.
Instruction: Individualized readings and student research in economic and industrial aspects of national security and the management of resources under all conditions and in the context of national and world affairs, divided into four course blocks as follows: (1) Includes the national security structure, the environment of national security, the world in ferment, national urban problems, and concepts and practice of management. (2) Includes elements of defense economics, human resources for national strength, natural and energy resources, the industrial sector, transportation as the nation's lifeline, and the public utilities (gas, electricity, and telecommunications). (3) Includes economic policies for national strength, emergency economic stabilization, U.S. foreign economic policies, defense organization and management, requirements for national defense, and military systems analysis. (4) Includes defense military manpower, the national assets of science and technology, production for defense, procurement, supply management, and national aerospace programs.
Credit Recommendation: In the upper-division baccalaureate category, for students who complete the program WITH DISTINCTION—or based upon the admitting institution's evaluation of the applicant's work—3 semester hours in political science (The U.S. in Contemporary World Affairs), 3 in social science (The Social and Economic Bases of the U.S. National Security), 3 in management (Defense Policy and Management) (8/74); in the graduate degree category, 3 semester hours for completion of the entire program WITH DISTINCTION—or based upon the admitting institution's evaluation of the applicant's work (8/74). NOTE: Credit recommendation is based on an on-site evaluation. Recommendations of credit are maximum figures. The amount actually accepted for transfer depends upon the applicant's future goals and the regulations of the admitting institution on transfer credit.

DD-1511-0002

National War College

Course Number: None.
Location: National War College, Ft. Leslie J. McNair, Washington, DC.
Length: 43 weeks.
Exhibit Dates: *Version 1:* 8/73–Present. *Version 2:* 8/70–7/73. *Version 3:* 8/56–7/70. *Version 4:* 8/54–7/56.
Objectives: The National War College provides professional education intended to improve the knowledge and expertise of a practitioner in the field of U.S. Foreign Affairs and National Security Affairs.
Instruction: Lectures, seminars, readings, and student research in military and national security affairs and international relations. The Core Curriculum is divided into five blocks as follows: (1) The Foundations of National Security; (2) Domestic Environment and National Security; (3) National Security Problems and the Decision-Making Process; (4) Military Strategy and Strategic Posture; and (5) Reassessment of National Security Problems. Area studies include: (1) Canada, Europe, and the U.S.S.R.; (2) East Asia and the Western Pacific; (3) South Asia, the Middle East, and Africa; and (4) Latin America. Area electives include courses on Europe, the Far East, Africa, Latin America, or the Mid-East. The course titled National Security Analyses includes an intensive study of politico-military economic, social, psychological, and geographic factors for an analysis of critical issues affecting U.S. national security policies and objectives in Europe, the Middle East and South Asia, Africa, the Far East, and Latin America; an overseas trip to one of these areas for observation is part of the course.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 30 semester hours—to be apportioned by the receiving institution—in the areas of history, political science, international relations, and management (8/74); in the graduate degree category, for the core curriculum, 6 semester hours in foreign policy and security affairs, 3 in political science; for one of the area courses plus one related elective, the overseas trip, and the synthesis course, 6 semester hours for students specializing in foreign policy and security affairs OR 3–6 hours for students in a more general program of comparative government or area studies based on the receiving institution's review of the student's records; for research and thesis, 0–6 semester hours; for any two of the following electives, 3 semester hours if relevant to the student's program specialization: National Security and Problems of International Law, Strategy of Arms Control, Problems of Developing Countries and U.S. Security, Current Issues in Defense Policy, U.S. Society and National Security, Current Economic Problems, Vietnam: A Beginning Reassessment, the Energy Issue: Problems and Prospects, of Futuristics (8/74). NOTE: Credit granted for theses should be contingent upon the graduate school's evaluation of the research paper. Recommendations of credit are maximum figures. The amount actually accepted for transfer depends upon the applicant's future academic goals and the regulations of the admitting institution on transfer credit. *Version 2:* In the upper-division baccalaureate category, 30 semester hours—to be apportioned by the receiving institution—in the areas of history, political science, international relations, and management (8/74); in the graduate degree category, 3 semester hours in theory and practice of international relations, 3 in U.S. national security policy, 3 in international relations/area studies (specific area to be determined by the geographical region of the student's trip), 0–6 in research and thesis, 3 upon completion of any two of the following elective courses: Current Reinterpretations of Marxist Thought, History of Strategic Thought, or International Law (8/74). NOTE: Credit recommendation is based on an on-site evaluation. Credit granted for theses should be contingent upon the graduate school's evaluation of the research paper. Recommendations of credit are maximum figures. The amount actually accepted for transfer depends upon the applicant's future academic goals and the regulations of the admitting institution on transfer credit. *Version 3:* In the upper-division baccalaureate category, 15 semester hours in political science (including international relations), 9 in recent and contemporary history, 3 in business administration (8/74). *Version 4:* In the upper-division baccalaureate category, 15 semester hours in political science (including international relations), 9 in recent and contemporary history, 3 in business organization and management, 3 in speech (12/68).

DD-1511-0003

Industrial College of the Armed Forces (Resident Program)

Course Number: None.
Location: Industrial College of the Armed Forces, Ft. Leslie J. McNair, Washington, DC.
Length: 43 weeks.
Exhibit Dates: *Version 1:* 8/69–Present. *Version 2:* 8/66–7/69. *Version 3:* 8/65–7/66. *Version 4:* 8/64–7/65. *Version 5:* 8/63–7/64. *Version 6:* 8/54–7/63.
Objectives: To train officers in the political, military, social, economic, and industrial aspects of national security, in resource management, and in the command, staff, and policy-making functions of the national and international security structure.
Instruction: Lectures, practical exercises, seminars, readings, field studies, and student research in the political, military, social, economic, and industrial aspects of national security, in resources management, and in national and world affairs.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in political science, 3 in international relations, 3 in social science, 3 in national economic problems and policies, 3 in principles of economic analysis, 3 in quantitative analysis, 6 in management, 3 in public administration, 0–3 in research and thesis (exact amount to be determined by institutional review) (8/74); in the graduate degree category, 2 semester hours in national security, 2 in aspects of national strength, 2 in international relations, 2 in management of industrial resources, 2 in governmental management, 2 in national economic problems and policies, 0–6 in research and thesis (8/74). NOTE: Credit granted for theses should be contingent upon the graduate school's evaluation of the research paper. Recommendations of credit are maximum figures. The amount actually accepted for transfer depends upon the applicant's future academic goals and the regulations of the admitting institution on transfer credit. *Version 2:* In the upper-division bac-

calaureate category, 12 semester hours in political science (including international relations), 12 in business administration, 3 in recent history, 6 in economics, 3 in geography, 3 in general physics, 3 in mathematics (8/74). *Version 3:* In the upper-division baccalaureate category, 12 semester hours in political science, 9 in business administration, 3 in recent history, 3 in economics, 3 in geography, 3 in general physics, 3 in mathematics (12/68). *Version 4:* In the upper-division baccalaureate category, 12 semester hours in political science (including international relations), 6 in business administration, 3 in recent history, 3 in economics, 3 in geography (12/68). *Version 5:* In the upper-division baccalaureate category, 12 semester hours in political science (including international relations), 6 semester hours in business administration, 3 in speech, 6 in recent history, 3 in economics (12/68). *Version 6:* In the upper-division baccalaureate category, 15 semester hours in political science (including international relations), 3 in business organization and management, 3 in speech, 9 in recent and contemporary history (12/68).

DD-1511-0004

1. Postgraduate Intelligence Course (Defense Intelligence Course)
2. Defense Intelligence Course

Course Number: None.

Location: Defense Intelligence School, Naval Station (Anacostia Annex), Washington, DC.

Length: *Version 1:* 33 weeks (1325 hours). *Version 2:* 38 weeks (1425-1504 hours).

Exhibit Dates: *Version 1:* 3/72-Present. *Version 2:* 1/63-2/72.

Objectives: To train officers in intelligence operations and techniques, and management concepts and techniques as they apply to intelligence resources, processes, and information systems, OR in intelligence procedures, operations, and structures as they relate to international action.

Instruction: Lectures, practical exercises, readings, and individualized study in intelligence operations and techniques and in management concepts and techniques as they apply to intelligence resources, processes and information systems at various levels.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 6 semester hours in modern history, 6 in political science, credit in geography on the basis of institutional examination (upon completion of phases one and two), 3 in principles of management (upon completion of phase three) (8/74); in the graduate degree category, 6 semester hours in international relations or political science, OR, if the applicant's field of study in graduate school is in the area of economics or political geography, 4 semester hours in international relations or political science (8/74). *Version 2:* In the upper-division baccalaureate category, 6 semester hours in modern history, 6 in political science, 3 in geography (12/68); in the graduate degree category, 6 semester hours in international relations or political science, OR, if the applicant's field of study in graduate school is in the area of economics or political geography, 4 semester hours in international relations or political science (8/74).

DD-1511-0005

Inter-American Defense College

Course Number: None.

Location: Inter-American Defense College, Ft. Leslie J. McNair, Washington, D.C..

Length: 52 weeks.

Exhibit Dates: 7/65-Present.

Objectives: To function as a military institution for advanced studies, with the purpose of preparing military personnel and civilian officials of the American States through the study of the Inter-American System and the political, social, economic and military factors that constitute essential elements for the defense of the hemisphere.

Instruction: The curriculum includes a review of basic theoretical topics in the classical areas of power and general studies of the current world situation, thus providing an adequate framework for an extensive analysis of the hemisphere's situation in the light of political, social, economic and military factors. The students learn and practice, in group discussions, the methodology of international cooperation in basic aspects of continental security planning at higher levels of general and military strategy. The modes of instruction include numerous lectures by outside experts, seminars and symposia for discussion of the materials presented, study committees and the preparation of individual research papers.

Credit Recommendation: In the graduate degree category, 6 semester hours in international relations for students rated "very good" or "outstanding" (11/76).

DD-1511-0006

Reserve Components National Security Seminar

Course Number: None.

Location: National Defense University, Vandenverg AFB, CA; National Defense University, Naval Air Station, Pensacola, FL; National Defense University, Ft. Bragg, NC; National Defense University, Ft. Lesley McNair, Washington, DC.

Length: 2 weeks (60 hours).

Exhibit Dates: 1/76-Present.

Objectives: To present and analyze issues of national security and foreign policy.

Instruction: This seminar includes global intelligence assessment (U.S. policy perspective); U.S. security policy (East Asia, Western Europe, and the Soviet Union, the Middle East and the developing countries); arms trade and arms acquisitions; defense analysis including a case study; DoD Management; ocean policy; economic issues; human and industrial resources; energy problems; and simulation exercise.

Credit Recommendation: Credit is not recommended for the course (1/79)

DD-1512-0001

1. Defense Equal Opportunity Management Institute
2. Defense Race Relations Institute
3. Defense Race Relations Institute

Course Number: None.

Location: Defense Equal Opportunity Management Institute, Patrick AFB, FL; Defense Race Relations Institute, Patrick AFB, FL.

Length: *Version 1:* 16 weeks (585 hours). *Version 2:* 7-11 weeks (184-425 hours). *Version 3:* 7 weeks (205 hours).

Exhibit Dates: *Version 1:* 6/78-Present. *Version 2:* 8/74-5/78. *Version 3:* 10/72-7/74.

Objectives: To provide students with a foundation of knowledge on intergroup relations, cultural specificity, and an awareness of those processes that form social opinion. The program is also designed to provide participants with as instructors in race relations and to provide them with management, planning and applications skills needed in maintaining effective institutional human relations programs.

Instruction: *Version 1:* Lectures, seminars, simulation/interactional techniques, case study, role play and games in the theory and practice of human relations and the application and management of human relations programs. Program takes multidisciplinary approach to minority and behavioral studies and instructional methodology. Program is designed to prepare the participants as instructors and consultants in race relations, equal opportunity and women's issues, and organizational effectiveness as it as it relates to discriminatory policies procedures and practices. *Version 2:* Lectures, seminars, simulation/interactional techniques, case study and field laboratory (inner city visitation) in the theory and practice of human relations and the application and management of human relations programs. The program takes a multi-disciplinary approach to minority and behavioral studies and instructional methodology. Participants are prepared as instructors in race relations. *Version 3:* Lectures, seminars, readings, and discussions in intergroup relations, social processes, behavioral sciences, minority studies, and instructional techniques, divided into five course blocks as follows: (1) The Individual in Social Interaction, including psychological theories of the self, and defense mechanisms; social significance of attitudes and behavior; stereotypes, the psychology of rumor; and race and individual differences. (2) Racism and Ways to Combat It, including military racial disorders, the Kerner Commission report, racism in U.S. history and contemporary life; the nature of prejudice; signs and symbols in communication and their role in racial conflict; institutional racism; racial issues (law enforcement, housing, employment, and education); racial polarization and separation; new white consciousness, contemporary white American culture; and strategies for combatting racism. (3) Group Dynamics, including introduction to group processes, group formation, techniques of facilitating group performance, the individual and the group, group goals and norms; group problems (members and feelings, recognition of hidden agendas within a group, methods of approach); leadership functions in groups; recognition of goal types; conditions affecting cohesiveness and conformity; and intergroup relations, examined through discussion on problems of communication, minority participation in policy and programs, changing the practice of desegregation, and establishing the values of integration. (4) Educational Techniques, including guided discussion as a teaching method; information processing limitations; use of selective exposure, interpretation (attention), and retention in reinforcing attitudes and opinions; use of sociodrama as a teaching technique; lesson planning and educational presentations; student teaching exercises; instructional aids; and creative teaching. (5) Minority Studies, including Afro-American history, migrant group, Appalachian cultures, Indian culture and contemporary thought, and Asian-American history and contemporary situation; history of blacks in the military, contemporary black thought, and inner-city problems. Participants are prepared as instructors in race relations.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in sociology of women, 3 in culture and society, 3 in interracial relations and interethnic relations, 3 in organizational effectiveness (9/79); in the graduate degree category, 3 semester hours in interpersonal communication, 3 in instructional methodology (9/79) *Version 2:* In the upper-division baccalaureate category, 18 semester hours in social and behavioral science, to be assigned among the following subject areas: applied psychology, group dynamics, intergroup relations, communications theory, history of minorities and ethnic groups, and instructional methodology (5/76); in the graduate degree category, 9 semester hours in social and behavioral science, to be assigned among the following subject areas: applied psychology, group dynamics, intergroup relations, communications theory, history of minorities and ethnic groups, and instructional methodology (5/76). *Version 3:* In the upper-division baccalaureate category, 4 semester hours in behavioral science laboratory, and 6 in social and behavioral science, to be assigned in any of the following disciplines: applied psychology, group dynamics, intergroup relations, or history of minorities and ethnic groups (8/74); in the graduate degree category, 4 semester hours in behavioral science laboratory (8/74). NOTE: Recommendations of credit are maximum figures. The amount of credit actually accepted for transfer depends upon the applicant's future academic goals and the regulations of the admitting institution on transfer credit.

DD-1601-0001

Basic Photogrammetric Cartographic Techniques

Course Number: 411-204.

Location: Defense Mapping School, Ft. Belvoir, VA.

Length: 9 weeks (293 hours).

Exhibit Dates: 5/72-Present.

Objectives: To train enlisted personnel to compile and revise planimetric, topographic maps and photomaps, using drafting instruments and plotting devices.

Instruction: Lectures and practical exercises in the compilation and revision of planimetric, topographic maps and photomaps, including compilation base and radial triangulation, map compilation and map revision, aerial photo mosaic, color separation, maintenance of cartographic equipment and facilities, DMA topographic center tour security, construction of controlled photomosaic, transfer of revision data to compilation base, and delineation of aerial photography.

Credit Recommendation: In the vocational certificate category, 6 semester hours in map and mosaic making (5/74); in the lower-division baccalaureate/associate degree category, 5 semester hours in map and mosaic making (5/74); in the upper-division baccalaureate category, 3 semester hours in map and mosaic making (5/74).

DD-1601-0002

Geodetic Surveying

Course Number: 412-82D20; 5ABD22230; 412-101.

Location: Defense Mapping School, Ft. Belvoir, VA.

Length: 10 weeks (376 hours).

Exhibit Dates: 12/73-Present.

Objectives: To train enlisted personnel in geodetic surveying.

Instruction: Lectures and practical exercises in geodetic surveying, including the establishment of ground survey control through differential leveling, gravity surveys, traverse, triangulation, and astronomic observation; mapping and charting in the support of weapons systems and other operations; military construction surveys; establishment of control; expedient-road and landing-site planning; and construction-site layout surveys for theater-of-operations construction support.

Credit Recommendation: In the vocational certificate category, 10 semester hours in plane and geodetic surveying (5/74); in the lower-division baccalaureate/associate degree category, 8 semester hours in plane and geodetic surveying (5/74); in the upper-division baccalaureate category, 6 semester hours in plane and geodetic surveying (5/74).

Related Occupation Codes: 82D.

DD-1601-0003

Advanced Geodetic Surveying

Course Number: 4M-710.

Location: Defense Mapping School, Ft. Belvoir, VA.

Length: 20 weeks (707 hours).

Exhibit Dates: 12/73-Present.

Objectives: To provide geodetic surveyors with training in advanced geodetic survey techniques.

Instruction: Lectures and practical exercises in advanced geodetic survey techniques, including astronomic observations for longitude, latitude, and azimuth; computing and adjusting geodetic figures, directions, lengths, positions, and differences in elevation; precise instrumentation related to high-order surveys; orientation on analytical point positioning using photogrammetry; vertical control surveys; geodesy and gravity surveys; and map compilation and digital computers.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 15 semester hours in advanced geodetic surveying (5/74); in the upper-division baccalaureate category, 10 semester hours in advanced geodetic surveying (5/74).

DD-1601-0004

Terrain Analysis

Course Number: 491-81Q20; 491-101.

Location: Defense Mapping School, Ft. Belvoir, VA.

Length: 10 weeks (314 hours).

Exhibit Dates: 10/73-Present.

Objectives: To provide soils analysts, map compilers, and image interpreters with training in geographic analysis.

Instruction: Lectures and practical exercises in terrain analysis, including principles and techniques of terrain analysis, map reading and land navigation, basic photographic interpretation and cartographic principles, techniques for describing terrain, geologic and hydrologic concepts, amphibious operations planning considerations, evaluation of terrain elements, base development and LOC planning considerations, engineer reconnaissance, engineer applications of photography, and applied terrain analysis.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 6 semester hours in terrain analysis (5/74); in the upper-division baccalaureate category, 4 semester hours in terrain analysis (5/74).

Related Occupation Codes: 81Q.

DD-1601-0005

Advanced Photogrammetric Cartographic Techniques

Course Number: 411-205.

Location: Defense Mapping School, Ft. Belvoir, VA.

Length: 8 weeks (281 hours).

Exhibit Dates: 5/73-Present.

Objectives: To train noncommissioned officers to perform as photogrammetric-cartographic technicians.

Instruction: Lectures and practical exercises in earth and physical sciences as related to the photogrammetric-cartographic career area, including regional physiography, goedetic datums, horizontal and vertical control, positional evaluation, photographic metrics, projections, grids, photo tilt, photo restitution, structural heights, industrial analysis, photogrammetric equipment, aerial reconnaissance systems, and support functions of photographic and lithographic areas.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 8 semester hours in photogrammetric interpretations (5/74); in the upper-division baccalaureate category, 6 semester hours in photogrammetric interpretations (5/74).

DD-1601-0006

Geodetic Computing

Course Number: 412-82E20; 5ABD22231; 412-102.

Location: Defense Mapping School, Ft. Belvoir, VA.

Length: 11 weeks (378 hours).

Exhibit Dates: 12/72-Present.

Objectives: To train enlisted personnel in geodetic computing.

Instruction: Lectures and practical exercises in geodetic computing, including comprehensive mathematics review; use of electronic calculators; map reading; computations in grid and declination grid conversions and transformations; grid traverses and electronic distance measurements; grid triangulation, leveling, traverse, and trilateration; astronomic azimuth and position; and adjustment of geometric figures, directions, linelength, and elevation difference from surveyor notes.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 12 semester hours in geodetic computations (5/74); in the upper-division baccalaureate category, 8 semester hours in geodetic computations (5/74).

Related Occupation Codes: 82E.

DD-1601-0007

Mapping, Charting, and Geodesy Officer

Course Number: 4M-7915; 4M-F2; 5OZD5724; 4M-701.

Location: Defense Mapping School, Ft. Belvoir, VA.

Length: 12 weeks (372 hours).

Exhibit Dates: 1/74-Present.

Objectives: To train officers in mapping, charting, and geodesy.

Instruction: Lectures and practical exercises in mapping, charting, and geodesy processes, including theory of errors; and MC and G survey, photogrammetric, cartographic, and reproduction operations.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 9 semester hours in mapping, charting, and geodesy (5/74); in the upper-division baccalaureate category, 6 semester hours in mapping, charting, and geodesy (5/74).

DD-1601-0008

Construction Surveying

Course Number: 412-82B20; 412-110.
Location: Defense Mapping School, Ft. Belvoir, VA.
Length: 11 weeks (362 hours).
Exhibit Dates: 7/72–Present.
Objectives: To train enlisted personnel in plane surveying fundamentals.
Instruction: Lectures and practical exercises in plane surveying fundamentals, including equipment maintenance, recording procedures, map reading, route selection, one-minute theodolite, engineer transit, horizontal taping, traverse layout, plane traverse computation, engineer dumpy level, differential leveling, trigonometric elevations, planetable surveying, transit-stadia, contour strip map, horizontal curves, road layout, profile and cross-section leveling, profile and grade line plotting, vertical curves, end area, volumes, boundary alignment, slope and grade stakes, site plans and construction drawings, and building utilities and airfield layout.
Credit Recommendation: In the vocational certificate category, 10 semester hours in construction surveying (5/74); in the lower-division baccalaureate/associate degree category, 8 semester hours in construction surveying (5/74); in the upper-division baccalaureate category, 6 semester hours in construction surveying (5/74).
Related Occupation Codes: 82B.

DD-1601-0009

Photogrammetric Compilation

Course Number: 411-203; 411-81C30.
Location: Defense Mapping School, Ft. Belvoir, VA.
Length: 8 weeks (270 hours).
Exhibit Dates: 6/71–Present.
Objectives: To train map compilers in the principles and techniques of photogrammetric map compilation.
Instruction: Lectures and practical exercises in the principles and techniques of photogrammetric map compilation, including multiplex stereoplotting equipment, multiplex stereoplotter orientation, reduction printing, stereocompilation, high-precision stereoplotter, stereotriangulation, and special operational subjects.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 6 semester hours in photogrammetric compilation (7/74); in the upper-division baccalaureate category, 3 semester hours in photogrammetric compilation (7/74).
Related Occupation Codes: 81C.

DD-1601-0010

Topography and Printing Staff Noncommissioned Officer (NCO)

Course Number: 41-751.
Location: Defense Mapping School, Ft. Belvoir, VA.
Length: 2 weeks (80 hours).
Exhibit Dates: 6/79–Present.
Objectives: To provide the skills to permit effective performance of supervisory functions in an Army topographic unit.
Instruction: Topics include production scheduling and quality control.
Credit Recommendation: Pending evaluation.

DD-1601-0011

Basic Cartography

Course Number: 411-200.
Location: Defense Mapping School, Ft. Belvoir, VA.
Length: 16–17 weeks (498 hours).
Exhibit Dates: 6/79–Present.
Objectives: To provide required knowledge to perform basic cartographic and photogrammetric tasks with general supervision.
Instruction: Includes cartographic compilation, map revision and color separation techniques.
Credit Recommendation: Pending evaluation.

DD-1601-0012

Basic Topographic Officers

Course Number: 4M-703.
Location: Defense Mapping School, Ft. Belvoir, VA.
Length: 8 weeks (296 hours).
Exhibit Dates: 9/77–Present.
Objectives: To teach the student to function in a unit engaged in topographic or geographic intelligence operations.
Instruction: Subjects include survey operations, exploitation of source materials, map base revision and graphic arts operations.
Credit Recommendation: Pending evaluation.

DD-1601-0013

Basic Photographic Processes

Course Number: 740-306.
Location: Defense Mapping School, Ft. Belvoir, VA.
Length: 14 weeks (460 hours).
Exhibit Dates: 11/76–Present.
Objectives: To teach skills to develop basic technical to complete the photolithographic process.
Instruction: Includes teaching the student to prepare single and multicolor camera ready copy utilizing cold type equipment and metric measurement; course is devoted primarily to camera operations and stripping and platemaking operations.
Credit Recommendation: Pending evaluation.

DD-1606-0001

National Senior Intelligence

Course Number: None.
Location: Defense Intelligence School, Washington, DC.
Length: 14 weeks (560 hours).
Exhibit Dates: 6/72–Present.
Objectives: To provide officers and civilian personnel with the knowledge necessary to hold management positions in the field of national and international intelligence.
Instruction: Lectures in the processing and management of intelligence information, development and implementation of U.S. foreign policy, the national intelligence structure, and government agencies involved in foreign policy.
Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in international relations, public administration, or political science (1/74).

DD-1706-0001

Multilith 1250 Repair

Course Number: 690-621.
Location: Defense Mapping School, Ft. Belvoir, VA.
Length: 2 weeks (80 hours).
Exhibit Dates: 11/73–Present.
Objectives: To train multilith operators to troubleshoot, and perform preventive maintenance on, 1250 multiliths.
Instruction: Lectures and practical exercises on the preventive maintenance and repair of the 1250 multilith, including mechanical adjustments necessary to maintain the operational capability of the 1250 multilith, normal operator adjustments, system alignments and adjustments, maintenance, case problems, and preventive maintenance.
Credit Recommendation: In the vocational certificate category, 3 semester hours in multilith 1250 repair (6/74).

DD-1706-0002

Reproduction Equipment Repair

Course Number: 690-41K20; 690-620.
Location: Defense Mapping School, Ft. Belvoir, VA.
Length: 15 weeks (512 hours).
Exhibit Dates: 6/72–Present.
Objectives: To train enlisted personnel to operate and repair reproduction equipment, including copy cameras, power paper cutters, paper folder-stitchers, and offset duplicating machines.
Instruction: Lectures and practical exercises in the operation and maintenance of reproduction equipment. Course includes the 24 X 30 copy camera, introduction to photolithography, repair parts supply, operational adjustments, aligning adjustments, repair procedures, maintenance of layout and platemaking equipment, repair of electrical components, repair and maintenance of power paper cutter, repair, maintenance, and timing of the offset duplicating machine, and the maintenance and repair of the bindery equipment and the paper folder and stitcher.
Credit Recommendation: In the vocational certificate category, 5 semester hours in business machine repair (5/74); in the lower-division baccalaureate/associate degree category, 3 semester hours in business machine repair (5/74).
Related Occupation Codes: 41K.

DD-1709-0001

Intermediate Photojournalism

Course Number: 570-ASIJ8.
Location: Defense Information School, Ft. Benjamin Harrison, IN.
Length: Self-paced 7 weeks (276-280 hours).
Exhibit Dates: *Version 1:* 10/78–Present. *Version 2:* 10/77–9/78.
Objectives: To provide photojournalism training for journalists and photographers.
Instruction: Students are given instruction in basic camera techniques, basic and advanced black and white darkroom procedures, Ektachrome slide processing, photo layout and design, and multi-media slide presentations. A course option includes news, feature, and cutline writing. Part of course is self-paced.
Credit Recommendation: *Version 1:* Pending evaluation. *Version 2:* In the upper-division baccalaureate category, 3 semester semester hours in photojournalism (2/78)

DD-1713-0001

Map Compilation

Course Number: 413-81B20; 411-202.
Location: Defense Mapping School, Ft. Belvoir, VA.
Length: 9 weeks (325 hours).
Exhibit Dates: 10/70–Present.
Objectives: To train enlisted personnel in the compilation and revision of planimetric maps, topographic maps, and photomaps, using drafting instruments and plotting devices.

Instruction: Lectures and practical exercises in the compilation and revision of planimetric, topographic, and photomaps, including compilation base and radial triangulation, map compilation and revision, aerial photography planning and mosaics, extraction of cartographic detail from aerial photographs, color separation, situation overlays and special studies, maintenance of cartographic equipment and facilities, and editing of color separation scribe sheets.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 7 semester hours in map compilation (5/74); in the upper-division baccalaureate category, 4 semester hours in map compilation (5/74).

DD-1713-0002

CARTOGRAPHIC DRAFTING

Course Number: 411-201.

Location: Defense Mapping School, Ft. Belvoir, VA.

Length: 9 weeks (293 hours).

Exhibit Dates: 5/72–Present.

Objectives: To train enlisted personnel to perform as cartographic draftsmen.

Instruction: Lectures and practical exercises in cartographic drafting. Topics include compilation base and radial triangulation, basic compilation and map revision, aerial photomosaics, color separation, and situation overlays and special studies.

Credit Recommendation: In the vocational certificate category, 6 semester hours in cartographic drafting (5/74); in the lower-division baccalaureate/associate degree category, 4 semester hours in cartographic drafting (5/74); in the upper-division baccalaureate category, 2 semester hours in cartographic drafting (5/74).

DD-1713-0003

CONSTRUCTION DRAFTING

Course Number: 413-81B20; 413-210.

Location: Defense Mapping School, Ft. Belvoir, VA.

Length: 11 weeks (362–405 hours).

Exhibit Dates: 3/71–Present.

Objectives: To train enlisted personnel to perform as construction draftsmen.

Instruction: Lectures and practical exercises in the preparation of working drawings, charts, and graphs for the construction of roads, airfields, bridges, buildings, ports, harbors, and other military construction, including construction drafting; preparation of mechanical, construction, utilities, structural, and technical drawings; engineer drawings; mechanical lettering; and charts and graphs.

Credit Recommendation: In the vocational certificate category, 10 semester hours in architectural drafting (7/74); in the lower-division baccalaureate/associate degree category, 8 semester hours in architectural drafting (7/74); in the upper-division baccalaureate category, 6 semester hours in architectural drafting (7/74).

DD-1719-0001

LITHOGRAPHIC STRIPPING AND PLATEMAKING

Course Number: 740-83D20; 740-302.

Location: Defense Mapping School, Ft. Belvoir, VA.

Length: 7 weeks (227 hours).

Exhibit Dates: 4/72–Present.

Objectives: To train enlisted personnel to prepare and produce offset plates to be used in the lithographic printing process.

Instruction: Lectures and practical exercises in the preparation and production of offset plates to be used in the lithographic printing process, including layout, stripping, and platemaking procedures.

Credit Recommendation: In the vocational certificate category, 3 semester hours in graphics or printing (5/74); in the lower-division baccalaureate/associate degree category, 2 semester hours in graphics or printing (5/74).

DD-1719-0002

OFFSET PRINTING

Course Number: 740-83F20; 740-303.

Location: Defense Mapping School, Ft. Belvoir, VA.

Length: 8 weeks (276 hours).

Exhibit Dates: 11/73–Present.

Objectives: To train enlisted personnel to operate offset presses in the reproduction of maps, charts, and other printed line work.

Instruction: Lectures and practical exercises in offset printing. Topics include photolithography materials, methods of producing military maps, operation of power paper cutter; maintenance of offset press, controls, feeder and delivery assemblies, cylinder assembly, dampening assembly, linking assembly, printing practice, identification of printing problems, printing a three-color and five-color map, and modern methods of lithographic offset press operations.

Credit Recommendation: In the vocational certificate category, 4 semester hours in graphic arts (5/74); in the lower-division baccalaureate/associate degree category, 2 semester hours in graphic arts (5/74).

DD-1719-0003

LITHOGRAPHIC PHOTOGRAPHY

Course Number: 740-83D20; A-740-0020; 740-301.

Location: Defense Mapping School, Ft. Belvoir, VA.

Length: 8 weeks (276 hours).

Exhibit Dates: 11/73–Present.

Objectives: To train enlisted personnel to operate copy cameras and related equipment.

Instruction: Lectures and practical exercises in fundamentals of copy photography, camera operation, film processing, exposure, filters, line and continuous-tone copying, halftone magenta screens, contact printing, diapositive glass plates, pictomaps, electronic contact printer, and preventive maintenance.

Credit Recommendation: In the vocational certificate category, 2 semester hours in basic lithography on the basis of institutional evaluation (7/74); in the lower-division baccalaureate/associate degree category, 2 semester hours in basic lithography on the basis of institutional evaluation (7/74); in the upper-division baccalaureate category, 2 semester hours in basic lithography on the basis of institutional evaluation (7/74).

DD-1719-0004

OFFSET DUPLICATING EQUIPMENT OPERATOR

Course Number: 740-304.

Location: Defense Mapping School, Ft. Belvoir, VA.

Length: 5 weeks (145 hours).

Exhibit Dates: 11/72–Present.

Objectives: To train enlisted personnel in the operation and basic maintenance of the offset duplicator, camera processor, and platemaker equipment.

Instruction: Course includes: introduction to photolithography; training in the operation of the 3M MR-412 Camera Processor and the A.B. Dick 675/...Copier with Platemaker Converter; and training in the operation and maintenance of other duplicating equipment, including the A&M 1250 Multilith Duplicator, the A.B. Dick 350 Duplicator, the ATF Davidson 500 Duplicator, and the ATF Davidson Perfector Duplicator.

Credit Recommendation: In the vocational certificate category, 5 semester hours in offset duplicating equipment operation (6/74).

DD-1721-0001

OPTICAL SURVEY INSTRUMENT REPAIR

Course Number: 670-41B20; 670-601.

Location: Defense Mapping School, Ft. Belvoir, VA.

Length: 12 weeks (382 hours).

Exhibit Dates: 2/74–Present.

Objectives: To train enlisted personnel to maintain and repair optical surveying and mapping instruments.

Instruction: Lectures and practical exercises in surveying and mapping instrument maintenance, adjustment, and repair, including abney hand level, dumpy level, telescopic alidade, transit, military level, one-minute and one-second theodolites, and survey tapes.

Credit Recommendation: In the vocational certificate category, 8 semester hours in optical survey instrument repair (5/74).

DD-1728-0001

INDUSTRIAL SECURITY SPECIALIST

Course Number: 5220-2.

Location: Defense Industrial Security Institute, Richmond, VA.

Length: *Version 1:* 5 weeks (182–183 hours). *Version 2:* 3 weeks (113 hours).

Exhibit Dates: *Version 1:* 7/76–Present. *Version 2:* 9/72–6/76.

Objectives: To provide industrial security specialists with training in defense industrial security.

Instruction: *All Versions:* Lectures and practical exercises in the history, management, application, and functions of the defense industrial security program, organization for security cognizance, laws and regulations, security hazards, applicable security resources, responsibilities of contracting officers, personnel clearance programs, inspections, security education program, security arrangements, international aspects, and espionage. *Version 1:* This version emphasizes the security threat against the U.S. government and industry; facility protection programs; classified document control; electronic and physical security measures; communications security; vulnerabilities of and protective measures for automatic data-processing systems, emergency/disaster planning and procedures. Audio-visual presentations.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 5 semester hours in criminal justice or security administration and management (1/77). *Version 2:* In the vocational certificate category, 2 semester hours in criminology (5/74); in the lower-division baccalaureate/associate degree category, 2 semester hours in criminology (5/74); in the upper-division baccalaureate category, 2 semester hours in criminology (5/74).

DD-1728-0002

INFORMATION SECURITY MANAGEMENT

Course Number: 5220.7.

Location: Defense Industrial Security Institute, Richmond, VA.

Length: 2 weeks (73 hours).

Exhibit Dates: 6/74–Present.

Objectives: To provide instruction on elements of the Defense Department Information Security Program, with particular emphasis on proper security classification and the safeguarding of classified information. Note: This course consists of two 1-week components, referred to separately as (1) Classification Management and (2) Safeguarding Classified Information. Recommended credit is for combined courses only.

Instruction: The security manager; organization for security; policies, objectives and management implementation; classification principles and problems; declassification and downgrading; markings and control of classified documents; communications security; automatic data-processing security; emergency planning; and processing security violations and compromises.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in criminal justice or security administration and management (1/77).

DANTES Subject Standardized Tests (DSSTs)

The Defense Activity for Non-Traditional Education Support (DANTES) provides support to the voluntary education programs of all military services. DANTES was created in May 1974 after disestablishment of the United States Armed Forces Institute (USAFI). Policy control of DANTES rests with the Director of Defense Education in the Office of the Secretary of Defense; DANTES policy is administered by a Department of Defense policy council on which all military services are represented.

DANTES began offering Subject Standardized Tests when it was established in July 1974. Many of the tests were identical with those sponsored by the United States Armed Forces Institute (USAFI) prior to its disestablishment. Each test in this series is intended to reflect the knowledge and understanding normally associated with a term of study in a university, college, or technical school (i.e., postsecondary programs leading to a degree or certificate). The DSSTs are administered through military education and testing centers worldwide and are available to active military personnel only. Participation in the program is optional.

The DSSTs are a series of multiple-choice subject-matter examinations in college and technical subjects. DSSTs are essentially end-of-course achievement tests. Each DSST is based on several textbooks commonly used for a course of the same or similar title. Examinee scores are reported as percentiles (PR) for early DSST forms designed as SA or SB; scores are reported as standard scores (SS) (mean 50, standard deviation 10) for recent DSST forms designated SC and SD. Both score scales are based on test results for large standardization samples of students completing relevant courses.

DANTES regularly contracts with test development organizations to revise and update DSSTs and to produce additional new tests. Prior to their distribution, the tests are evaluated by panels of subject matter and technical experts assembled by the ACE Office on Educational Credit and Credentials (OECC) staff. As a matter of policy, the recommended amount and type of credit, minimum test score for which credit should be awarded and the length of initial Commission recommendation are based primarily on the suggestions of each faculty subject matter review panel. The recommended minimum test score for credit awards is established for each DSST at the level judged by faculty reviewers to represent the knowledge and understanding that would be clearly deserving of credit at most institutions offering comparable courses. (No actual data on grades are provided by the DSST test developer, so these score levels are based on the faculty reviewers' subjective judgments and on their inspection of the normative data provided.)

The ACE credit recommendations for DSSTs, as of the publication date of the *Guide*, are indicated below. Since recommendations for many new tests are anticipated and those for others will soon expire, readers are urged to contact OECC for supplementary recommendations on revised or newly developed DSSTs.

TEST	TITLE	CREDIT AMOUNT (SEM. HRS.)	MINI-MUM SCORE	TAKEN ON OR BEFORE
SB404	Survey of English Literature	3B	20PR	12-31-79
SA408	Survey of American Literature I	3B	20PR	12-31-79
SA409	Survey of American Literature II	3B	20PR	12-31-79
SA424	Intermediate College Algebra	3B	20PR	12-31-79
SC424	Intermediate College Algebra	3B	50SS	12-31-84
SB425	College Algebra	3B	20PR	3-31-79
SB433	Basic Statistics	3B	20PR	12-31-80
SC433	Basic Statistics	3B	54SS	12-31-84
SA435	Plane Trigonometry	3B	20PR	12-31-79
SC435	Plane Trigonometry	3B	50SS	12-31-84
SA440	Calculus I	4B	20PR	12-31-79
SC440	Calculus I	4B	50SS	12-31-84
SA441	Calculus II	4B	20PR	12-31-80
SC441	Calculus II	4B	52SS	12-31-82

SA445	Differential Equations	3B	20PR	12-31-79
SC445	Differential Equations	3B	54SS	12-31-81
SA446	Linear Algebra	3B	20PR	12-31-80
SC446	Linear Algebra	3B	20PR	5-31-80
SB453	Principles of Economics I	3B	20PR	12-31-79
SC453	Principles of Economics I	3B	48SS	12-31-83
SB454	Principles of Economics II	3B	20PR	12-31-78
SB457	History of Western Civilization to 1500	3B	20PR	12-31-78
SB458	History of Western Civilization since 1500	3B	20PR	6-30-79
SA462	History of the American Negro	3B	20PR	12-31-80
SA467	History of Modern East Asia	3B	20PR	12-31-79
SA468	History of Southeast Asia	3B	20PR	12-31-79
SA471	History of Africa	3B	20PR	12-31-79
SA472	Problems of Contemporary Latin America	3B	20PR	2-28-77
SA481	Modern European Governments	3B	20PR	12-31-79
SA482	Modern Asian Governments	3B	20PR	12-31-79
SB488	Psychology of Adjustment	3B	20PR	12-31-80
SC488	Psychology of Adjustment	3B	53SS	12-31-84
SA491	Educational Psychology	3B	20PR	7-31-79
SC491	Educational Psychology	3B	56SS	12-31-82
SA494	General Anthropology	3B	20PR	12-31-78
SA497	Introduction to Law Enforcement	3B	20PR	12-31-78
SB498	Criminology	3B	20PR	12-31-80
SB500	Astronomy I	2B	20PR	12-31-80
SC500	Astronomy I	3B	48SS	12-31-83
SA505	General Geophysics	3B	20PR	12-31-80
SC505	General Geophysics	3B	51SS	12-31-83
SA510	Oceanography	3B	20PR	12-31-80
SB512	Principles of Physical Science I	3B	20PR	12-31-80
SC512	Principles of Physical Science I	3B	51SS	12-31-82
SA514	College Chemistry I	3T	20PR	3-31-79
SA515	College Chemistry II	3T	20PR	3-31-79
SB517	College Physics I	3B	20PR	12-31-80
SB518	College Physics II	3B	20PR	12-31-80
SA519	Geology I	3B	20PR	12-31-79
SC519	Geology I	3B	54SS	12-31-82
SA520	Geology II	3B	20PR	12-31-79
SA525	Principles of Accounting I	3B	20PR	12-31-80
SC525	Principles of Financial Accounting I	3B	50SS	12-31-84
SB533	Business Law I	3B	20PR	12-31-80
SC533	Business Law I	3B	53SS	12-31-86
SB534	Business Law II	3B	20PR	12-31-79
SA535	Introduction to Data Processing	2B	20PR	2-28-77
SA539	Principles of Management	3B	20PR	7-31-79
SC539	Introduction to Management	3B	54SS	12-31-83
SB543	Introduction to Business	3B	20PR	11-30-79
SC543	Introduction to Business	3B	48SS	12-31-84
SB544	Personnel Management	3B	20PR	3-31-79
SA546	Risk and Insurance	3B	20PR	12-31-80

SB547	Introduction to Real Estate	3B	20PR	3-31-79
SA548	Money and Banking	3B	20PR	12-31-78
SA549	Marketing	3B	20PR	7-31-79
SC549	Basic Marketing	3B	50SS	12-31-83
SA550	Climatology/Meteorology	3T/3B	20PR	12-31-80
SC550	Meteorology and Climatology	3B	55SS	12-31-89
SA560	Introduction to Education	3B	20PR	3-31-79
SA561	History and Philosophy of Education	3B	20PR	12-31-79
SA562	Principles of Guidance	3B	20PR	12-31-78
SA568	Introduction to Forestry	3B	20PR	12-31-80
SA577	Beginning French I	+	20PR	3-31-79
SA578	Beginning French II	++	20PR	3-31-79
SA579	Beginning German I	+	20PR	12-31-79
SC579	Beginning German I	4B	50SS	12-31-81
SA580	Beginning German II	++	20PR	3-31-79
SA583	Beginning Spanish I	+	20PR	12-31-78
SA584	Beginning Spanish II	++	20PR	12-31-78
SC584	Beginning Spanish II	3B	50SS	12-31-84
SA585	Beginning Italian I	+	20PR	12-31-80
SA586	Beginning Italian II	++	20PR	12-31-80
SA740	Auto Mechanics I	3T	20PR	12-31-78
SA741	Auto Mechanics II	3T	20PR	12-31-78
SA756	Introduction to Carpentry	3T	20PR	12-31-78
SB770	Basic Technical Drawing and Graphics	3T	20PR	12-31-79
SA781	Fundamentals of Electricity	2T	20PR	12-31-78
SA785	Electrical Measuring Instruments	3T	20PR	12-31-80
SC785	Electrical Measuring Instruments	2T	57SS	12-31-86
SA788	Introduction to Electronics I	3T	20PR	12-31-80
SC788	Introduction to Electronics I	3B	52SS	12-31-83
SA789	Introduction to Electronics II	3T	20PR	12-31-80
SC789	Introduction to Electronics II	3T	57SS	12-31-82
SB794	Introduction to Diesel Engines I	3T	20PR	3-31-79
SB795	Introduction to Diesel Engines II	3T	20PR	3-31-79
SA810	Technical Mathematics I	5T/3B	20PR	12-31-78
SA811	Technical Mathematics II	5T/3B	20PR	12-31-79
SA820	Technical Writing	3T/3B	20PR	12-31-79
SB885	Fundamentals of Radio	3T	20PR	12-31-79
SA890	Radio Servicing	4T/2B	20PR	12-31-78
SA891	Television Servicing	4T/2B	20PR	12-31-79
SA936	Introduction to Refrigeration	4T	20PR	12-31-79
SA960	Introduction to Quality Control	3B	20PR	2-28-77

NOTES

1. Recommendations for forms designated "SC" also apply to those designated "SD."

2. Scores on forms "SA" and "SB" are percentiles (PR); those on forms "SC" and "SD" are standard scores (SS) with mean 50 and standard deviation 10. All scores based on results for large samples of college students completing courses comparable to the tests.

3. "+" and "++" represent, respectively, the amounts of credit normally awarded for one- and two-semester introductory courses at the institution.

4. Abbreviations used for credit categories are:

"T": Technical Certificate Level: This category describes tests corresponding to course work normally found in certificate or diploma (nondegree) programs that are usually a year or less in length and designed to provide students with occupational skills.

"B": Baccalaureate/Associate Level: This category describes tests corresponding to course work normally found in the first two years of a baccalaureate program and in programs leading to the Associate in Arts, Associate in Science, or Associate in Applied Science degrees.

USING THESE RECOMMENDATIONS

The Amercian Council on Education recommends that credit for USAFI/DANTES courses and tests be granted only after successful completion is verified from official records.

Official records for service personnel and veterans completing USAFI (United States Armed Forces Institute) courses and tests prior to its disestablishment on June 30, 1974, can be obtained at no cost from DANTES Contractor Representative (Transcripts), Educational Testing Service, Box 2879, Princeton, New Jersey 08541. Credit recommendations for USAFI courses and tests may be obtained from OECC.

Official records for individuals who completed DANTES Subject Standardized Tests after July 1, 1974, can be obtained for a nominal fee from DANTES Contractor Representative (CLEP), Educational Testing Service, Box 2819, Princeton, New Jersey 08541.

Assistance in interpreting or applying these recommendations is available from the staff, Office on Educational Credit and Credentials, Suite 20, One Dupont Circle, Washington, D.C. 20036. (Phone: 202-833-4770.)

Appendix

The Evaluation Systems

During the period, 1945–80, the American Council on Education developed and refined comprehensive procedures and criteria for the evaluation of military learning experiences. This appendix outlines the historical development of the *Guide;* defines which courses can be found in the *Guide;* describes the evaluation systems used to prepare the recommendations for military formal courses; and includes definitions and guidelines pertaining to categories of educational credit and the semester hour standard.

BACKGROUND

Early editions of the *Guide to the Evaluation of Educational Experiences in the Armed Services* were prepared in response to specific needs. Immediately after World War II, the consensus in the educational community was that the practice of granting blanket credit to World War I veterans as a reward for length of service was educationally unsound. Educators concluded that military learning experiences applicable to civilian curricula should be assessed by civilian education specialists for potential credit. Therefore, in December 1945, at the request of civilian educational institutions and the regional accrediting associations, the American Council on Education established the Commission on Accreditation of Service Experiences—renamed the Commission on Educational Credit and Credentials in 1979—to evaluate military educational programs and to assist institutions in granting credit for such experiences. Accordingly, the first edition of the *Guide* was published to assist educational institutions in evaluating service courses completed by returning veterans.

The extension of the World War II G.I. Bill to include veterans of the Korean conflict, and the subsequent enrollment of many veterans in colleges and universities, created a need for the second edition, published in 1954.

The 1968 edition was prepared in anticipation of the increased enrollment of veterans resulting from the educational assistance provided under the Veterans Readjustment Benefits Act of 1966, and with the expectation that many would apply for educational credit for their learning experiences in the armed services. In addition, technological advances had necessitated major changes in service training, with a resulting need for new or revised educational credit recommendations.

The 1974 edition was prepared primarily to respond to three emerging considerations. First, because of the growth in vocational and technical programs and the emergence of the concept of postsecondary education, there was need to evaluate courses for possible credit in the vocational and technical categories in addition to the baccalaureate and graduate categories of previous editions. Second, active-duty service men and women were enrolling in increasing numbers in civilian educational programs and were seeking credit for related military formal courses soon after completing their service school training. Third, credit recommendations were needed for the many courses initiated or revised by the military since 1968.

The 1974 edition marked the beginning of a new approach to reporting evaluations of formal military training. At its fall 1973 meeting, the Commission approved the concept of an ongoing *Guide* System. Elements of that system include the publication of biennial editions of the *Guide* through computerized composition, continuous staff review of courses, and the computerized storage of course information for a more rapid updating of credit recommendations and for an improved ability to respond to inquiries related to course identification and credit recommendations.

Over the years the recommendations contained in the *Guide* have assisted education institutions in granting credit to hundreds of thousands of service men and women. Surveys conducted by the Office showed that most of the nation's colleges and universities use the formal course recommendations in awarding credit to veterans and active-duty service personnel. The recommendations have been widely accepted because military formal courses share certain key elements with traditional postsecondary programs: they are formally approved and administered, are designed for the express purpose of achieving learning outcomes, are conducted by qualified persons with specific subject-matter expertise, and are structured to provide for the evaluation of learning outcomes.

THE COURSES

Courses listed in the *Guide* are normally service school courses conducted on a formal basis, i.e., approved by a central authority within each service and listed by the service in its catalog. These courses are conducted for a specified period of time with a prescribed course of instruction, in a structured learning situation, and with qualified instructors.

Most courses are given on a full-time basis (a minimum of thirty contact hours of instruction a week) for not less than two weeks' duration; or, if less than two weeks in length, the course must include a minimum of sixty contact hours of instruction. (Prior to 1973 the minimum length requirement was three weeks or 90 hours.) The American Council on Education also evaluates courses conducted for National Guard and Reserve personnel (not on extended active-duty status) when these courses meet the same requirements.

Recommendations for formal courses offered between World War II and 1954 are available in the 1954 edition of the *Guide* or from the Office on Educational Credit and Credentials upon written request by education officials. In addition, military Subject Standardized Tests (SSTs) are evaluated by the American Council on Education, but are not included in the *Guide;* recommendations are available from the Office on Educational Credit and Credentials upon written request by education officials.

THE COURSE EVALUATION SYSTEM

In the fall of 1973, the Commission on Educational Credit and Credentials of the American Council on Education approved the following procedures and guidelines for the evaluation of military formal courses.

The Evaluation Process

Courses are evaluated by teams of at least three subject-matter specialists (college and university professors, deans, and other academicians). Through discussion and the application of evaluation procedures and guidelines, team members reach a consensus on the amount and category of credit to be recommended.

Evaluation materials include the course syllabus, training materials, tests, textbooks, technical manuals, and examinations. Additional information is obtained from interviews with instructors and program administrators, classroom observations, and examination of instructional equipment and laboratory facilities.

Each team of evaluators has two major tasks for each course: the formulation of a credit recommendation and the preparation of the course's description. The credit recommendation consists of the category of credit, the number of semester hours recommended, and the appropriate subject area. Using the information provided in the military syllabus, evaluators phrase the course description (which appears in the *Guide* exhibits under the headings "Objectives" and "Instruction") in terms meaningful to civilian educators. The course description supplements the credit recommendations by summarizing the nature of a given course.

Throughout the evaluation process, evaluators exercise professional judgment in applying the evaluative criteria and procedures. This position reflects the Commission's belief that sound educational evaluation is more dependent on professional judgment and expertise than on rigid application of criteria.

The Commission on Educational Credit and Credentials continually reviews its criteria and procedures. Evaluators are encouraged to provide feedback and recommendations for consideration by the Commission.

Selection of Evaluators

Nominations for course evaluators are requested from regional accrediting associations, professional and disciplinary societies, educational associations, and postsecondary institutions.

The criteria for the selection of formal course evaluators are as follows:

1. Area of an evaluator's competence, as evidenced by formal training and experiences, will closely approximate area of student training to be evaluated.
2. Preference will be given to candidates who are subject-matter specialists with five or more years of postsecondary teaching or administrative experience, including curriculum development.
3. Preference will be given to candidates who are generally receptive to the recognition of learning that occurs in a variety of settings.

THE RECOMMENDATIONS

In order to interpret exhibits correctly, readers should become thoroughly familiar with the definitions and guidelines utilized by evaluators in formulating the recommendations. The following paragraphs include definitions and guidelines pertaining to categories of educational credit and the semester hour standard.

Categories of Credit

Educational credit is a concept used by postsecondary institutions to quantify and record a student's successful completion of a unit of study. Postsecondary education consists of courses and programs of instruction for persons who are high school graduates or the equivalent, or who are beyond compulsory school age. ACE evaluators utilize the following categories of educational credit when formulating credit recommendations.

Vocational Certificate. This category describes course work of the type normally found in certificate or diploma (nondegree) programs that are usually a year or less in length and designed to provide students with occupational skills. This course work can also be found in curricula leading to associate degrees in applied science. Course content is specialized and the accompanying shop, laboratory, or similar practical components emphasize procedural more than analytical skills.

Lower-Division Baccalaureate/Associate Degree. This category describes course work of the type normally found in the first two years of a baccalaureate program and in programs leading to the Associate in Arts, the Associate in Science, or the Associate in Applied Science degree, the traditional transfer associate degrees. The instruction stresses development of analytical abilities at the introductory level. Verbal, mathematical, and scientific concepts associated with an academic discipline are introduced, as are basic principles. Occupationally oriented courses in this category are normally designed to prepare a student to function as a technician in a particular field.

Upper-Division Baccalaureate. This category describes courses of the type found in the last two years of a baccalaureate program. The courses involve specialization of a theoretical or analytical nature beyond the introductory level. Successful performance by students normally requires prior study in the area.

Graduate Degree. This category describes courses with content of the type found in graduate programs. These courses often require independent study, original research, critical analysis, and the scholarly and professional application of the specialized knowledge or discipline. Students enrolled in such courses normally have completed a baccalaureate program.

Semester Hours

Credit recommendations for courses are not derived by simple arithmetic conversion. Evaluators exercise professional judgment and consider only those portions of a course that can be equated with civilian postsecondary curricula. Intensive courses offered by the military do not necessarily require as much outside preparation as many regular college courses. Evaluators consider the factors of pre- and post-course assignments, prior work-related experience, the concentrated nature of the learning experience, and the reinforcement of the course material gained in the subsequent work setting.

Credit recommendations are expressed in semester credit hours. In determining semester hour recommendations, evaluators will be guided by, but not restricted to, the following standard definitions:

1. One semester credit hour for the equivalent of 15 hours of classroom contact plus 30 hours of outside preparation; or
2. One semester credit hour for the equivalent of 30 hours of laboratory work plus necessary outside preparation, normally expected to be 15 hours; or
3. One semester credit hour for the equivalent of not less than 45 hours of shop instruction (contact hours).

Other Recommendations

The Defense Activity for Non-Traditional Education Support (DANTES) maintains the educational records of the service men and women who have completed SSTs, CLEP examinations, and GED Tests.

The results of courses and tests taken under the auspices of USAFI (United States Armed Forces Institute; disestablished 1974) which carry academic credit and which were submitted prior to June 30, 1974, are available at no cost from: DANTES Contractor Representative (transcripts), Box 2879, Princeton, New Jersey 08540.

Results of Subject Standardized Tests and CLEP examinations taken under the auspices of DANTES after July 1, 1974, are available at a nominal charge from: DANTES Contractor Representative (CLEP), Educational Testing Service, P.O. Box 2819, Princeton, New Jersey 08540.

Test reports for GED Tests taken after July 1, 1974, can be obtained from: DANTES Contractor Representative (GED), GED Testing Service, American Council on Education, One Dupont Circle, Washington, D.C. 20036.

In addition, credit recommendations for USAFI courses and tests and for DANTES Subject Standardized Tests are available from the Office on Educational Credit and Credentials upon written request by education officials.

Keyword Index

This index is designed to provide rapid access to the courses described in the course exhibit section. Titles of courses are arranged alphabetically under keywords which have been extracted verbatim from the titles. For example, the keyword *Data Processing* is followed by all titles containing the words *Data Processing.*

To locate a specific course, identify a word or group of words in the title which seems to be unique or descriptive. For example, the title *Data Processing Specialist, COBOL* can be found under the keywords *Data Processing* or *COBOL*. Similarly, the title *Russian Technician* can be found under the keyword *Russian.*

The ID number for each course is displayed to the right of the title. Refer to that number in the course exhibit section for a full description of the course.

.50 Caliber
.50 Caliber Machinegun AF-2203-0037

A-12
E-4 (A-12) Autopilot AF-1715-0628

A-12D
A-12D Autopilot AF-1715-0629

A-14
A-14 Autopilot and N-1, MD-1 Compasses AF-1715-0630
B52H, A-14 Autopilot, AN/AJN-8 HVRS and MD-1 Astro Compass AF-1721-0003
N-1 and MD-1 Compasses, AN/AJA-1 Computer and A-14 Autopilot AF-1715-0624

A-1A
A-1A Oxygen, Nitrogen Generating Plant AF-1601-0037

A-286
Welding of A-286 Alloy Material (J-79 Engine) AF-1710-0016

A-3A
Defensive Fire Control System Mechanic (A-3A, MD-9, ASG-15 Turrets) AF-1715-0482
Defensive Fire Control Systems Mechanic (A-3A, MD-9, ASG-15 Fire Control Systems) AF-1715-0482
Defensive Fire Control Systems Mechanic (A-3A, MD-9, ASG-15 Turrets) AF-1715-0482
Defensive Fire Control Systems Technician (A-3A, MD-9, ASG-15 Fire Control Systems) AF-1715-0259
Defensive Fire Control Systems Technician (A-3A, MD-9, ASG-15 Turrets) AF-1715-0259
Turret System Mechanic (B-52, A-3A) AF-1715-0482
Turret Systems Mechanic (A-3A, MD-9, ASG-15 Turrets) AF-1715-0482
Turret Systems Technician (A-3A, MD-9, ASG-15 Turrets) AF-1715-0259

A-3A/MD-9
Turret Systems Gunner (A-3A/MD-9 Turrets) AF-1715-0205

A-5
Defensive Fire Control Systems Mechanic (MD-1, MD-1A, MD-4, and A-5) AF-1715-0013
Turret System Mechanic (A-5, MD-1 and A, MD-4) AF-1715-0013
Turret System Mechanic (MD-1, MD-4, A-5) AF-1715-0013

A6341FN-D1
Field and Organizational Maintenance A6341FN-D1 Propeller AF-1704-0103

A-7D
Intermediate Maintenance, A-7D Weapons Control System (WCS) AF-1715-0278
Weapons Control Systems Mechanic (A-7D; AN/APQ-126) AF-1715-0538

AC
Automotive AC Electrical Systems AF-1703-0008
Operator and Operation Maintenance of AC System Tester, Model T-35 AF-1715-0095

AC-130E
Special Operations Training, AC-130E Pilots AF-1606-0020

Academic
Academic Instructor AF-1406-0034

Accessories
KC-135 Mechanical Accessories and Equipment Repairman AF-1701-0006
Mechanical Accessories and Equipment Repairman AF-1701-0007
Mechanical Accessories and Equipment Repairman, B-52 AF-1704-0178
Mechanical Accessories and Equipment Repairman, C-130A AF-1704-0101
Mechanical Accessories and Equipment Repair Technician AF-1715-0528

Accident
Air Force Weapons Accident Prevention and Management AF-0802-0021
Jet Engine Accident Investigation AF-1704-0037
Traffic Management and Accident Investigation AF-1728-0004

Accountant
Accountant AF-1401-0004
AF-1401-0008
Machine Accountant AF-1402-0026

Accounting
Accounting and Finance Applications of Base Supply Computer (UNIVAC 1050 II) AF-1401-0016
Accounting and Finance Automated Materiel System AF-1401-0016
Accounting and Finance Officer AF-1401-0009
Accounting and Finance Specialist AF-1401-0001
Accounting and Finance Supervisor AF-1401-0010
Accounting and Finance Supervisor (Disbursement Accounting)

AF-1401-0015
Accounting and Finance Supervisor (General Accounting) AF-1401-0012
Accounting Specialist AF-1401-0003
Accounting Technician AF-1401-0007
Disbursement Accounting Specialist AF-1401-0006
General Accounting Specialist AF-1401-0005
Machine Accounting Supervisor AF-1402-0036
Manpower Allocation and Accounting System (MAAS) AF-1406-0032
Phase II General Accounting Applications AF-1402-0004

Adapter
Teletype Adapter Module/Common Control Unit Maintenance AF-1715-0393

ADC
Weapons Mechanic (ADC) AF-2203-0016

ADC/ANG-RES
Weapons Mechanic ADC/ANG-RES AF-1704-0171

Administration
Administration Management and Executive Support Officer AF-1408-0067
Administration Management/Executive Support AF-1408-0067
Advanced Contract Administration AF-1408-0039
Basic Course in Medical Administration AF-0799-0005
Basic Course in Medical Service Administration AF-0799-0005
Contract Administration AF-0326-0003 AF-1408-0033
Financial Administration AF-1408-0002
Health Services Administration AF-1401-0017
Industrial Property Administration (JT) AF-0326-0001
Nursing Service Administration AF-0703-0003
Police Administration AF-1728-0016
Security Police Administration AF-1728-0016
Senior Hospital Administration AF-0799-0002

Administrative
Administrative Clerk AF-1403-0001
Administrative Officer AF-1408-0041
Administrative Specialist AF-1403-0001
Administrative Supervisor AF-1408-0066
Apprentice Medical Administrative Specialist AF-0799-0004
Medical Administrative Specialist AF-0799-0004
Medical Administrative Supervisor AF-1408-0043

Advisor
Human Relations Advisor AF-1513-0001

A/E24U-8
A/E24U-8 Power Plant Intermediate and Organizational (I & O) Maintenance AF-1704-0143

Aerial
Aerial Photographer AF-1709-0005

Aeromedical
Aeromedical Evacuation Technician AF-0709-0011
Aeromedical Specialist AF-0709-0024
Aeromedical Technician AF-0709-0012
Apprentice Aeromedical Evacuation AF-0709-0004
Apprentice Aeromedical Evacuation Specialist AF-0709-0004
Apprentice Aeromedical Specialist AF-0709-0024

Aerospace
Advanced Aerospace Photo Intelligence AF-1606-0047
Aerospace Control and Warning System Operator (Manual) AF-1715-0623
Aerospace Control and Warning Systems Operator AF-1715-0622
Aerospace Ground Equipment Repairman AF-1715-0605
Aerospace Ground Equipment Repair Technician AF-1717-0012
Aerospace Munitions Officer AF-1715-0545
Aerospace Munitions Staff Officer AF-1715-0545 AF-1717-0024
Aerospace Nursing Residency AF-0703-0004
Aerospace Photographic Systems Repairman AF-1715-0291
Avionics Aerospace Ground Equipment Specialist AF-1715-0537

AFCS
CEM Materiel Control Procedures (AFCS) AF-1405-0058

Afghan Persian
Dari—Afghan Persian AF-0602-0007 AF-0602-0012

AFK
AFK Supply Management AF-1405-0004

Afrikaans
Afrikaans AF-0602-0003 AF-0602-0006

AFS
AFS Fighter, Jet (F-100) AF-1606-0126
AFS Fighter, Jet (T-33)—Phase I AF-1606-0089

AF/S32R-2
AF/S32R-2 Refueler Field and Organizational (F & O) Maintenance AF-1703-0001

AGE
F/FB-111 Avionics AGE Maintenance Technician AF-1402-0027
Missile Facilities Specialist (CGM-13B, AGE Crew) AF-2203-0005

AGM
AGM Guidance Mechanic (AGM-28A/B) AF-1715-0649
Air Launch Guidance Mechanic (AGM-28A/B) AF-1715-0649
Air Launch Missile Guidance Mechanic (AGM-28A/B) AF-1715-0649
Missile Guidance and Control Specialist (AGM-28) AF-1715-0649
Missile Guidance and Control Specialist (AGM-28A/B) AF-1715-0649
Missile Systems Maintenance Specialist (AGM-28) AF-1715-0649

AGM-28
Missile Guidance and Control Specialist (AGM-28) AF-1715-0649
Missile Systems Maintenance Specialist (AGM-28) AF-1715-0649

AGM-28A
Avionics Officer (AGM-28A) AF-1704-0147

AGM-28A/B
AGM Guidance Mechanic (AGM-28A/B) AF-1715-0649
Air Launch Guidance Mechanic (AGM-28A/B) AF-1715-0649
Air Launch Missile Analyst Mechanic (AGM-28A/B AF-1715-0454
Air Launch Missile Analyst Technician (AGM-28A/B) AF-1715-0158
Air Launch Missile Checkout Equipment Repairman (AGM-28A/B) AF-1715-0458
Air Launch Missile Guidance Mechanic (AGM-28A/B) AF-1715-0649
Air Launch Missile Guidance Technician (AGM-28A/B) AF-1715-0155
Missile Electronic Equipment Specialist (AGM-28A/B) AF-1715-0458
Missile Guidance and Control Specialist (AGM-28A/B) AF-1715-0649
Missile Mechanic (AGM-28A/B) AF-1715-0693
Missile Systems Analyst Specialist (AGM-28A/B) AF-1715-0454

AGM-69A
Checkout Sequence Programming Set,

AN/GSM-133 (AGM-69A)
AF-1402-0067
Missile Electronic Equipment Specialist (AGM-69A)
AF-1715-0457
Missile Systems Analyst Specialist (AGM-69A)
AF-1715-0451
Nuclear Weapons Specialist AGM-69A
AF-1715-0700
Nuclear Weapons Technician (AGM-69A)
AF-1715-0700
Weapons Maintenance Technician (AGM-69A)
AF-1715-0735

AGM/AIM
Missile Guidance and Control Specialist (AGM/AIM)TAC
AF-1715-0712
Missile Guidance and Control Technician (AGM/AIM TAC SEA)
AF-1715-0691

Aids
F-111 Navigation Aids Test Stations Technician
AF-1715-0184
F/FB-111 Navigation Aids Test Station Technician
AF-1715-0007
Ground Radio Maintenance Technician, Navigational Aids, Communications Systems
AF-1715-0285

AIM
Missile Guidance and Control Specialist (AIM) (ADC)
AF-1715-0671
Missile Guidance and Control Speicalist (AIM)
AF-1715-0671

Air
407L Air Traffic Regulation Center Controller/Technician
AF-1704-0001
Advanced Air Transportation Cargo
AF-0419-0014
Advanced Air Transportation Passenger
AF-0419-0003
Air Cargo Specialist
AF-0419-0007
Air Cargo Specialist (Reserve)
AF-0419-0024
Air Command and Staff College
AF-1511-0001
Air Command and Staff Correspondence Program
AF-1511-0003
Air Command and Staff Nonresident Seminar Program
AF-1511-0002
Air Conditioning Engineering
AF-1701-0001
Air Defense Artillery Director (SAGE)
AF-1715-0288
Air Electronics Maintenance for Armament Systems Officer
AF-1715-0560
Air Electronics Officer
AF-1715-0323
Air Electronics Officer, Fighter A/C
AF-1715-0323
Air Electronic Systems Supervisor/Technician
AF-1715-0634
Air Force Base Level Maintenance Management
AF-1717-0025
Air Freight Specialist
AF-0419-0007
Air/Ground 50-KHZ Equipment
AF-1715-0031
Air Intelligence Airman
AF-1606-0059
Air Intelligence Officer
AF-1606-0052
AF-1606-0054
AF-1606-0055
Air Launched Defense Missile Safety Officer
AF-0802-0012
Air Launched Missile Safety Officer
AF-0802-0009
Air Launched Missile Safety Officer/Technician
AF-0802-0010
Air Launched Missile Safety Technician
AF-0802-0011
Air Launched Strategic Missile Safety Officer
AF-0802-0013
Air Launched Tactical Missile Safety Officer
AF-0802-0014
Air Launch Guidance Mechanic (AGM-28A/B)
AF-1715-0649
Air Launch Missile Analyst Mechanic (AGM-28A/B
AF-1715-0454
Air Launch Missile Analyst Technician (AGM-28A/B)
AF-1715-0158
Air Launch Missile Checkout Equipment Repairman (AGM-28A/B)
AF-1715-0458
Air Launch Missile Guidance Mechanic (AGM-28A/B)
AF-1715-0649
Air Launch Missile Guidance Technician (AGM-28A/B)
AF-1715-0155
Air National Guard Recruiter
AF-1406-0038
Air Passenger and Operations Specialist
AF-0419-0002
Air Passenger Specialist
AF-0419-0002
Air Passenger Specialist (Reserve)
AF-0419-0022
Air Police
AF-1728-0019
Air Police (Basic)
AF-1728-0019
Air Policeman
AF-1728-0019
Air Policeman (Basic Air Police)
AF-1728-0019
Air Police (NCO)
AF-1728-0001
Air Police Officer
AF-1728-0018
Air Police (Provost Marshal) Phase I
AF-1728-0029
Air Police Supervisor
AF-1728-0001
Air Rescue Specialist Medical
AF-0709-0013
Air Route Traffic Control and Approach Control Operator
AF-1704-0008
Air Surveillance (SAGE)
AF-1715-0273
AF-1715-0571
Air Transportation of Dangerous Cargo and Nuclear Weapons
AF-0419-0017
Air Transportation Officer
AF-0419-0010
AF-0419-0011
Air War College
AF-1511-0006
Air War College Correspondence Program
AF-1511-0005
Air War College Nonresident Seminar Program
AF-1511-0004
Air Weapons
AF-2203-0044
Apprentice Air Traffic Control Operator
AF-1704-0008
Assistant Air Defense Artillery Director (SAGE)
AF-1715-0289
BUIC III Air Surveillance for Radar Inputs Countermeasures Officer/Technician
AF-1715-0113
Ground Support Air Conditioner (B-58)
AF-1701-0003
MA-1 and MA-3 Air Conditioners, Field and Organizational (F & O) Maintenance
AF-1701-0002
Refrigeration and Air Conditioning
AF-1730-0004
Refrigeration and Air Conditioning Control (Minn-Honeywell)
AF-1730-0006
Refrigeration and Air Conditioning Controls (Johnson)
AF-1730-0005
Refrigeration and Air Conditioning Equipment
AF-1730-0009
Refrigeration and Air Conditioning Specialist
AF-1730-0010
Refrigeration Specialist (Refrigeration and Air Conditioning)
AF-1730-0010

Airborne
Airborne Command Post Communications Equipment (CE) Repairman
AF-1715-0709
Airborne Early Warning Radar Repairman (AN/APS-20E)
AF-1715-0025
Airborne Early Warning Radar Repairman (AN/APS-45)
AF-1715-0029
Airborne Early Warning Radar Specialist Principles
AF-1715-0533
Airborne ECM Operator
AF-1715-0382
Airborne Electrical Systems Technician (AN/ARC-106)
AF-1715-0509
Airborne Electrical System Technician (G-1186)
AF-1715-0507
Airborne Electronic Countermeasures Specialist
AF-1715-0382
Airborne Electronic Navigation

Equipment Repairman AF-1715-0362
Airborne Electronic Navigation Equipment Repairman (SHORAN) AF-1715-0521
Airborne Meteorological/Atmospheric Research Equipment (MET/ARE) Repairman AF-1715-0453
Airborne Radio Maintenance Technician AF-1715-0067
Airborne Radio Operator AF-2203-0033
Airborne Radio Repairman AF-1715-0341
Airborne SHORAN Equipment Repairman AF-1715-0521
Airborne Weather Equipment Technician AF-1715-0091
Officers Airborne Electronics Orientation AF-1715-0562
Special Training on Airborne Radar Beacon AN/APN-69 (Depot) AF-1715-0421
Special Training on Airborne Radar Beacon AN/APN-69 (Field and Organizational) AF-1715-0421

Aircraft
Advanced Aircraft Loadmaster (C-141) AF-0419-0016
Advanced Aircraft Loadmaster (C-5) AF-0419-0015
Advanced Aircraft Loadmaster (HC-130 ARRS AF-1606-0028
Advanced Observer Aircraft Performance Engineer AF-1704-0115
Aircraft and Hydraulic Repairman AF-1704-0041
Aircraft and Missile Ground Support Equipment Repair AF-1717-0012
Aircraft and Missile Ground Support Equipment Repairman AF-1715-0605
Aircraft and Missile Ground Support Equipment Repairman (Ballistic Missiles) AF-1715-0631
Aircraft and Missile Hydraulic Repairman AF-1704-0041
Aircraft and Missile Hydraulic Technician AF-1704-0014
Aircraft and Missile Pneudraulic Repairman AF-1704-0041
Aircraft and Missile Pneudraulic Repair Technician AF-1704-0014
Aircraft/Avionics Maintenance Staff Officer AF-1408-0049
Aircraft Controllers AF-1704-0009
Aircraft Corrosion Control AF-1704-0060
Aircraft Early Warning Radar Maintenance Technician AF-1715-0282
Aircraft Early Warning Radar Repairman AF-1715-0427
Aircraft Early Warning Radar Repairman (for Navy Personnel) AF-1715-0364
Aircraft ECM Maintenance Technician AF-1715-0324
Aircraft ECM Repairman (Jamming Equipment) AF-1715-0224
Aircraft ECM Repairman (Reconnaissance Equipment) AF-1715-0223
Aircraft ECM Repairman (Surveillance Equipment) AF-1715-0223
Aircraft Electrical Repairman (F-101B) AF-1704-0035
Aircraft Electrician Gunner, B-36 AF-1704-0158
Aircraft Electronic Countermeasures (ECM) Repairman (Ground Equipment) AF-1715-0684
Aircraft Electronic Countermeasures Repairman (Jamming Equipment) AF-1715-0224
Aircraft Electronic Countermeasures Repairman (Surveillance Equipment) AF-1715-0223
Aircraft Electronic Countermeasures Repairmen(Jamming Equipment) AF-1715-0224
Aircraft Electronic Navigation Equipment Maintenance Technician AF-1715-0510
Aircraft Electronic Navigation Equipment Repairman AF-1715-0680
Aircraft Electronic Navigation Equipment Repairman (AN/APN-82) AF-1715-0517
Aircraft Electronic Navigation Equipment Repairman (AN/APN-82 and AN/APN-89) AF-1715-0517
Aircraft Electronic Navigation Equipment Repairman (Doppler Supplement) AF-1715-0517
Aircraft Electronic Navigation Equipment Repairman (General) AF-1715-0680
Aircraft Electronic Navigation Equipment Repairman (TACAN Supplement) AF-1715-0602
Aircraft Electronic Navigation Equipment Technician AF-1715-0510
Aircraft Engine Test Stand Calibration AF-1704-0057
Aircraft Environmental Systems Repairman AF-1701-0007
Aircraft Environmental Systems Repair Technician AF-1715-0528
Aircraft Fuel System Mechanic AF-1704-0047
Aircraft Fuel System Technician AF-1704-0045
Aircraft Ground Equipment Repairman AF-1715-0605
Aircraft Hydraulic Repairman AF-1704-0041
Aircraft Hydraulic Repairman B-52 AF-1704-0098
Aircraft Hydraulic Repairman B-52G AF-1704-0098
Aircraft Hydraulic Repairman, C-130A AF-1704-0100
Aircraft Hydraulic Repairman, F-100D/F AF-1704-0065
Aircraft Hydraulic Repairman, F-102A AF-1704-0124
Aircraft Hydraulic Technician AF-1704-0014
Aircraft Inertial and Radar Navigation Systems Repairman AF-1715-0027
Aircraft Inertial and Radar Navigation Systems Repairman (AN/APN-81/89A/99A Doppler) AF-1715-0026
Aircraft Inertial and Radar Navigation Systems Repairman (AN/APN-89/99/108 Doppler) AF-1715-0026
Aircraft Jet Engine Block Test Mechanic AF-1704-0050
Aircraft Jet Engine Mechanic AF-1704-0082
Aircraft Landing Control Operator AF-1704-0006
Aircraft Landing Control Technician AF-1704-0006
Aircraft Loadmaster AF-0419-0001
Aircraft Observer Technical Upgrading AF-1606-0031
Aircraft Observer Training—Pilot AF-1606-0030
Aircraft Observer Upgrade Training AF-1606-0031
Aircraft Pneudraulic Repairman AF-1704-0041
Aircraft Pneudraulic Repair Technician AF-1704-0014
Aircraft Propeller Repairman AF-1704-0046
Aircraft Propeller Technician AF-1704-0040
Aircraft Radio Maintenance Technician AF-1715-0067
Aircraft Radio Repairman AF-1715-0065 AF-1715-0069
Aircraft Radio Repairman (Command) AF-1715-0066 AF-1715-0068
Aircraft Radio Repairman (Communications) AF-1715-0065
Aircraft Radio Repairman (Data Link Supplement) AF-1715-0185
Aircraft Radio Repairman (General) AF-1715-0065
Aircraft Radio Repairman (Navigational) AF-1715-0069
Aircraft Reciprocating Engine Conditioning AF-1704-0071
Aircraft Reciprocating Engine Mechanic AF-1704-0022
Aircraft Sensor Systems Repairman (Electronic Sensors) AF-1715-0479
Aircraft Structural Sealing, B-52 AF-1704-0038
Apprentice Aircraft Landing Control Operator AF-1704-0006
Basic Observer Aircraft Performance Engineer Training

AF-1704-0116
F-111A Weapons System Training (Aircraft Commander)
AF-1606-0132
Flight Engineer Specialist, Reciprocating Engine Aircraft
AF-1606-0032
HC-130 Aircraft Commander (Aircrew Training)
AF-1606-0026
KC-135 Aircraft Hydraulic Repairman
AF-1704-0118
KC-135 Aircraft Repairman, Hydraulic
AF-1704-0118
Medium Bombardment Conventional, B-29 Four-Engine Transition (Aircraft Commander and Co-Pilot)
AF-1606-0041
Non-Destructive Testing of Aircraft and Related Equipment Components
AF-1724-0002
Pilotless Aircraft Guidance and Control Officer
AF-1715-0648
Staff Aircraft Performance Engineer
AF-1104-0001
Staff Aircraft Performance Officer
AF-1107-0001
Structural Repair of High Performance Aircraft
AF-1704-0091
Upgrading B-66 Aircraft
AF-1606-0136
Welding of High Performance Aircraft and Missile Systems
AF-1723-0005

Aircraft Control
Aircraft Control and Warning (AC & W) Radar Officer
AF-1715-0369
Aircraft Control and Warning (AC & W) Radar Repairman (AN/GLR-1/FLR-12)
AF-1715-0234
Aircraft Control and Warning Operator
AF-1715-0352
Aircraft Control and Warning Operator (Manual)
AF-1715-0352
Aircraft Control and Warning Operator (SAGE)
AF-1715-0209
Aircraft Control and Warning Operator (Semi-Automatic/412L)
AF-1704-0170
Aircraft Control and Warning Radar Maintenance Technician
AF-1715-0064
Aircraft Control and Warning Radar Repairman
AF-1715-0687
Aircraft Control and Warning Radar Repairman (AN/CPS-1, AN/CPS-4, AN/CPS-5 and IFF)
AF-1715-0104
Aircraft Control and Warning Radar Repairman (AN/CPS-6B and AN/FPS-6)
AF-1715-0023
Aircraft Control and Warning Radar Repairman (AN/CPS-6B and IFF)
AF-1715-0023
Aircraft Control and Warning Radar Repairman (AN/FPS-18, AN/FST-1, AN-FSA-10, AN/FSW-1)
AF-1715-0060
Aircraft Control and Warning Radar Repairman (AN/FPS-20 and AN/FPS-6)
AF-1715-0115
Aircraft Control and Warning Radar Repairman (AN/FPS-3, AN/FPS-6)
AF-1715-0103
Aircraft Control and Warning Radar Repairman (AN/FPS-3, AN/FPS-6 and IFF)
AF-1715-0103
Aircraft Control and Warning Radar Repairman (AN/FPS-8 and AN/FPS-4)
AF-1715-0105
Aircraft Control and Warning Radar Repairman, AN/FPS-8, AN/FPS-4
AF-1715-0020
Aircraft Control and Warning Radar Repairman, AN/FPS-8, AN/FPS-4, and IFF
AF-1715-0020
Aircraft Control and Warning Radar Repairman, AN/FST-2
AF-1715-0111
Aircraft Control and Warning Radar Repairman (AN/GPA-37)
AF-1715-0056
Aircraft Control and Warning Radar Repairman (AN/TPS-1D, AN/TPS-10D)
AF-1715-0118
Aircraft Control and Warning Radar Repairman (AN/TPS-1D, AN/TPS-10D and IFF)
AF-1715-0118
Aircraft Control and Warning Radar Technician
AF-1715-0064
Pilotless Aircraft Control Systems Mechanic
AF-1715-0247

Aircraft Electrical
Aircraft Electrical Repairman
AF-1704-0114
Aircraft Electrical Repairman, B-52
AF-1704-0167
Aircraft Electrical Repairman, B-52H
AF-1704-0167
Aircraft Electrical Repairman, C-130A
AF-1704-0099
Aircraft Electrical Repairman, F-101A
AF-1704-0104
Aircraft Electrical Repairman, F-102A
AF-1704-0128
Aircraft Electrical Repairman, F-104
AF-1704-0166
Aircraft Electrical Repairman, KC-135
AF-1704-0125
Aircraft Electrical Repair Technician
AF-1704-0165
KC-135 Aircraft Electrical Repairman
AF-1704-0125

Aircraft Maintenance
Aircraft Maintenance/Avionics Officer Accelerated
AF-1717-0004
Aircraft Maintenance Indoctrination (SAC)
AF-1704-0083
Aircraft Maintenance Management Officer
AF-1717-0002
Aircraft Maintenance Officer
AF-1717-0002
AF-1717-0003
Aircraft Maintenance Officer Accelerated
AF-1717-0014
Aircraft Maintenance Specialist, Jet Aircraft One and Two Engines
AF-1704-0036
Aircraft Maintenance Specialist (Jet, Over Two Engines)
AF-1704-0067
Aircraft Maintenance Specialist, Reciprocating Engine Aircraft
AF-1704-0043
Aircraft Maintenance Specialist Turbo-Prop Aircraft
AF-1704-0080
Aircraft Maintenance Staff Officer
AF-1717-0002
Aircraft Maintenance Technician
AF-1704-0013
Aircraft Maintenance Technician, Jet Engine Aircraft
AF-1717-0006
Aircraft Maintenance Technician, Jet Engine Type Aircraft
AF-1717-0006
Aircraft Maintenance Technician, Reciprocating Engine Aircraft
AF-1704-0088

Aircraft Mechanic
Aircraft Mechanic B-52
AF-1704-0058
Aircraft Mechanic B-52G
AF-1704-0058
Aircraft Mechanic, B-52H
AF-1704-0084
Aircraft Mechanic C-130
AF-1704-0055
Aircraft Mechanic C-130A
AF-1704-0055
Aircraft Mechanic, F-100D
AF-1704-0063
Aircraft Mechanic, F-101A
AF-1704-0062
Aircraft Mechanic, F-101B
AF-1704-0061
Aircraft Mechanic, F-102A
AF-1704-0123
Aircraft Mechanic, F-104
AF-1704-0086
Aircraft Mechanic (Jet Aircraft, Over Two Engines)
AF-1704-0067
Aircraft Mechanic (Jet Bomber Two Engines)
AF-1704-0036
Aircraft Mechanic, Jet Fighter
AF-1704-0036
Aircraft Mechanic, Jet One Engine
AF-1704-0036
Aircraft Mechanic (Jet, Over Two Engines)
AF-1704-0067
Aircraft Mechanic (Jet, Two Engines)
AF-1704-0036
Aircraft Mechanic, Reciprocating Engine Aircraft
AF-1704-0043
Aircraft Mechanic, Reciprocating Engine Types
AF-1704-0043
Aircraft Mechanic, Reciprocating (One and/or Two Engines)
AF-1704-0042
Aircraft Mechanic, Reciprocating, Over Two Engines
AF-1704-0021
Aircraft Mechanic, Rotary Wing
AF-1704-0079
Aircraft Mechanic, T-33A
AF-1704-0056
Aircraft Mechanic, Turbo-Prop Aircraft

AF-1704-0080
Aircraft Mechanic, Turbo-Prop Aircraft (C-130 and C-133) AF-1704-0080
F-106 Aircraft Mechanic AF-1704-0053
Jet Aircraft Mechanic AF-1704-0023
Jet Aircraft Mechanic, One and Two Engine AF-1704-0036
Jet Aircraft Mechanic, One and Two Engines AF-1704-0036
KC-135 Aircraft Mechanic AF-1704-0122

Aircrew
Aircrew Egress Systems Repairmen AF-1715-0707
Aircrew Life Support Equipment AF-1704-0145
Aircrew Life Support Specialist AF-1704-0182
Aircrew Transition—Medium Bomb-Jet (Aircraft Commander/Pilot) AF-1606-0038
Aircrew Transition—Medium Bomb-Jet (Aircraft Observer) AF-1606-0039
F-4 Aircrew Life Support Specialist AF-1704-0180
HC-130 Aircraft Commander (Aircrew Training) AF-1606-0026
HC-130 Aircrew Instructor Training AF-1606-0149
HC-130 Flight Engineer (Aircrew Training) AF-1606-0027
HC-130 Loadmaster (Aircrew Training) AF-1606-0028
HC-130 Navigator (Aircrew Training) AF-1606-0025
HC-130 Radio Operator (Aircrew Training AF-1606-0024
Maintenance of Survival and Aircrew Protective Equipment (Fabric and Leather) AF-1716-0003
Maintenance of Survival and Aircrew Protective Equipment (Fabric, Leather, and Rubber) AF-1716-0003
Medium Transport (C-119) Aircrew Transition AF-1606-0044
Tanker Aircrew, KC-97 AF-1606-0015

Airframe
Airframe Repair, C-141 AF-1704-0039
Airframe Repairman AF-1704-0129
Airframe Repair Specialist AF-1704-0129
Airframe Titanium Repair AF-1704-0024

Airplane
Airplane and Engine Mechanic, Liaison Types AF-1704-0064

Air Traffic Control
Advanced Air Traffic Control Officer AF-1704-0010
Air Traffic Control Officer AF-1704-0002
Air Traffic Control Officer Procedures AF-1704-0003
Air Traffic Control Operator AF-1704-0005
Air Traffic Control Operator (Non-Radar) AF-1704-0011
Air Traffic Control Operator (Radar) AF-1704-0106
Air Traffic Control Operator (Radar) (Army) AF-1704-0107
Air Traffic Control Radar Maintenance Technician AF-1715-0397
Air Traffic Control Radar Repairman AF-1715-0488
Air Traffic Control Radar Repairman, AN/CPN-18, AN/FPN-16 AF-1715-0676
Air Traffic Control Radar Repairman AN/CPN-4 AF-1715-0422
Air Traffic Control Radar Repairman (AN/FPN-16 and AN/CPN-18) AF-1715-0676
Air Traffic Control Radar Repairman (AN/MPN-1) AF-1715-0488
Air Traffic Control Radar Repairman (AN/TPN-12) AF-1715-0737
Air Traffic Control Radar Technician AF-1715-0397
Air Traffic Control Technician AF-1704-0004
Apprentice Air Traffic Control Operator AF-1704-0008

Albanian
Albanian
DD-0602-0001
DD-0602-0002
DD-0602-0003

Aleutian
Aleutian DEW Line Baker AF-1729-0006
Electrical Power Production, Aleutian Dew Line AF-1712-0002

Alignment
Front End Alignment, Operation and Maintenance AF-1703-0013
Wheel Alignment Equipment, Operation and Maintenance AF-1703-0013

Allergy
Allergy and Immunology Specialist AF-0709-0006

Alloy
Welding of A-286 Alloy Material (J-79 Engine) AF-1710-0016

All-Relay
All-Relay Central Office Equipment Specialist AF-1715-0411

AMA
AMA/Directorate of Materiel Management AF-1405-0027

AMCS
Weapons Control Systems Mechanic (AMCS-AERO-1A) AF-1715-0535
Weapons Control Systems Mechanic (F4, AMCS) AF-1715-0535

AMCS-AERO-1A
Offensive Fire Control Systems Mechanic (AMCS-AERO-1A) AF-1715-0389
Weapons Control Systems Mechanic (AMCS-AERO-1A)
AF-1715-0389
AF-1715-0535

Amharic
Amharic
AF-0602-0007
AF-0602-0012

Ammunition
Ammunition Officer AF-1405-0047
Ammunition Officer (Munitions) AF-1405-0047

AN/AJA-1
N-1 and MD-1 Compasses, AN/AJA-1 Computer and A-14 Autopilot AF-1715-0624

AN/AJN-8
B52H, A-14 Autopilot, AN/AJN-8 HVRS and MD-1 Astro Compass AF-1721-0003

Analog
Electronic Analog Data Processing Equipment Repairman AF-1715-0061

AN/ALQ-71
AN/ALQ-71/ALQ-87/QRC-335, Field/Organizational (F/O) Maintenance AF-1715-0400

AN/ALQ-71/72
AN/ALQ-71/72 Field/Organizational (F/O) Maintenance AF-1715-0578

AN/ALQ-T4
AN/ALQ-T4 Field and Organizational (F & O) Maintenance AF-1715-0547

AN/ALQ-T4(V)
Defensive System Trainer Specialist (AN/ALQ-T4(V)) AF-1715-0086
Defensive System Trainer Technician (AN/ALQ-T4(V)) AF-1715-0232

AN/ALR-31
AN/ALR-31 Receiver Field/Organizational (F/O) Maintenance AF-1715-0607

AN/ALT-6
Special Training on AN/ALT-6 Equipment (Depot) AF-1715-0418
Special Training on AN/ALT-6 Equipment (F & O) (Field and Organizational) AF-1715-0418

AN/ALT-7
Special Course on Radar Set AN/ALT-7 and Pulse Generator O-207/ALA-7 (Depot) AF-1715-0420

AN/ALT-8
Special Training on AN/ALT-8 (Field and Organizational)

AF-1715-0372

Analysis
- Advanced Cost and Economic Analysis AF-1408-0016
- Advanced Data Automation Analysis and Design AF-1402-0053
- Advanced Data Processing Audit Analysis AF-1402-0041
- Advanced Quantitative Methods in Cost Analysis AF-1115-0004
- Aircraft and Missile Maintenance Analysis Specialist AF-1115-0001
- Basic Quantitative Methods in Cost Analysis AF-1115-0005
- Computer Systems Analysis and Design (Enlisted) AF-1402-0040
- Data Systems Analysis and Design (Enlisted) AF-1402-0040
- Data Systems Analysis and Design (Officer) AF-1402-0039
- Field Analysis of Cryogenic Liquids and Gases AF-1601-0020
- Ground C-E-M Maintenance Analysis Technician AF-1113-0001
- Maintenance Analysis Specialist AF-1115-0001
- Maintenance Analysis Technician AF-0306-0001
- Management Analysis Officer AF-1408-0063
- Management Analysis Specialist AF-1408-0009
- Management Analysis Technician AF-1408-0009
- Quantitative Methods in Cost Analysis AF-1115-0004
- Real Estate and Cost Management Analysis Specialist AF-0331-0001
- Real Estate—Cost-Management Analysis Specialist AF-0331-0001
- Supply Operation Analysis/Design AF-1402-0059
- Telephone Circuit Analysis AF-1715-0197
- Terrain Analysis DD-1601-0004
- Tropical Weather Analysis and Forecasting AF-1304-0010

Analyst
- Air Launch Missile Analyst Mechanic (AGM-28A/B AF-1715-0454
- Analyst Technician, GAM-77 AF-1715-0157
- Ballistic Missile Analyst Specialist (HGM-16F) AF-1715-0295
- Ballistic Missile Analyst Specialist (LGM-25C) AF-1715-0376
- Ballistic Missile Analyst Specialist (PGM-16D) AF-1715-0294
- Ballistic Missile Analyst Specialist (SM65D) AF-1715-0294
- Ballistic Missile Analyst Specialist (SM-65F) AF-1715-0295
- Ballistic Missile Analyst Specialist, WS-133B AF-1715-0731
- Ballistic Missile Analyst Technician (SM-65F) AF-1715-0319
- Computer Systems Analyst AF-1402-0003
- Control Systems Analyst (GAM-72) AF-1715-0320
- Control Systems Analyst (GAM-77) AF-1715-0583
- GAM Analyst Mechanic, GAM-77 AF-1715-0454
- Guidance System Analyst (GAM-63 Missile D/A) AF-1715-0379
- Guidance System Analyst, SM-62 AF-1715-0381
- Guidance Systems Analyst (TM-76A) AF-1714-0005
- MA-2/ASB-4 Bomb Navigation Systems (Analyst Supervisor) AF-1715-0287
- Missile Systems Analyst Specialist AF-1715-0376
- Missile Systems Analyst Specialist (AGM-28A/B) AF-1715-0454
- Missile Systems Analyst Specialist (AGM-69A) AF-1715-0451
- Missile Systems Analyst Specialist (LGM-25) AF-1715-0376
- Missile Systems Analyst Specialist (TM-76B) AF-1715-0668
- Missile Systems Analyst Specialist, WS-133A-M AF-1715-0452
- Missile Systems Analyst Specialist, WS-133B AF-1715-0731 AF-1715-0732
- Missile Systems Analyst/Technician, GAM-77 AF-1715-0157
- Missile Systems Analyst/Technician SM-62 AF-1715-0335
- Missile Systems Analyst Technician (SM-65F) AF-1715-0315
- Missile Systems Analyst Technician (SM68) AF-1715-0332
- Missile Systems Analyst Technician (T and A), WS-133A-M AF-1715-0361
- Missile Systems Analyst Technician (TEAT) WS-133A-M AF-1715-0384
- Missile Systems Analyst Technician, WS-133A-M AF-1715-0340 AF-1715-0361
- Missile Systems Analyst Technician, WS-133A-M Integrated AF-1715-0329
- Space Object Identification Analyst AF-1304-0011
- Space Systems Analyst AF-1303-0001

Analyzer
- Engine Analyzer, Sperry Maintenance AF-1715-0505
- Jet Engine Analyzer—IRD Maintenance AF-1715-0005
- Jet Engine Analyzer—IRD Operator AF-1715-0005
- Jet Engine Vibration Analyzer Operator (Sperry) AF-1704-0020

Analyzers
- Reciprocating Engine Conditioning With Analyzers (R2800 and Smaller) AF-1704-0071
- Reciprocating Engine Conditioning With Analyzers (R3350) AF-1704-0071
- Reciprocating Engine Conditioning With Analyzers (R4360) AF-1704-0071

AN/APA-54(A)
- Special Training on SHORAN Equipment AN/APN-84, with K-4, AN/APN-3, with K-1A and AN/APA-54(A) AF-1715-0403

AN/APG-T1
- Gunnery Trainer Specialist (AN/APG-T1, T1A) AF-1715-0216

AN/APN-105
- AN/APN-105/131 Doppler Maintenance AF-1715-0584

AN/APN-175(V)-3
- AN/APN-175(V)-3 Doppler Navigation System Maintenance AF-1715-0254

AN/APN-3
- Special Training on SHORAN Equipment AN/APN-84, with K-4, AN/APN-3, with K-1A and AN/APA-54(A) AF-1715-0403

AN/APN-59
- Special Training on AN/APN-59 AF-1715-0424

AN/APN-69
- Special Training on Airborne Radar Beacon AN/APN-69 (Depot) AF-1715-0421
- Special Training on Airborne Radar Beacon AN/APN-69 (Field and Organizational) AF-1715-0421

AN/APN-70
- Special Training on Loran Receiver AN/APN-70 AF-1715-0426

AN/APN-81
- Aircraft Inertial and Radar Navigation Systems Repairman (AN/APN-81/89A/99A Doppler) AF-1715-0026
- Avionic Inertial and Radar Navigation Systems Technician (AN/APN-81-89A/99A Doppler) AF-1715-0024

AN/APN-82
- Aircraft Electronic Navigation Equipment Repairman (AN/APN-82)

AF-1715-0517

Aircraft Electronic Navigation Equipment Repairman (AN/APN-82 and AN/APN-89) AF-1715-0517

AN/APN-84

Special Training on SHORAN Equipment AN/APN-84 and Electronic Bombing Computer K-4 AF-1715-0403

Special Training on SHORAN Equipment AN/APN-84, with K-4, AN/APN-3, with K-1A and AN/APA-54(A) AF-1715-0403

AN/APN-89

Aircraft Electronic Navigation Equipment Repairman (AN/APN-82 and AN/APN-89) AF-1715-0517

Aircraft Inertial and Radar Navigation Systems Repairman (AN/APN-89/99/108 Doppler) AF-1715-0026

AN/APQ-126

Weapons Control Systems Mechanic (A-7D; AN/APQ-126) AF-1715-0538

AN/APQ-24A

AN/APQ-24A System Mechanic AF-1715-0428

AN/APQ-24A System Technician AF-1715-0283

Special Training On Radar Bombing Navigation System, AN/APQ-24A AF-1715-0617

AN/APQ-T10

Navigation and Bombing Trainer Specialist (AN/APQ-T10) AF-1715-0544

AN/APQ-T2A

Navigation and Bombing Trainer Specialist (AN/APQ-T2A) AF-1715-0544

AN/APQ-T3

Navigation and Bombing Trainer Specialist (AN/APQ-T3) AF-1715-0274

AN/APR-31

AN/APS-107, AN/APR-31 (ER-142) RHAW System AF-1715-0236

AN/APR-9B

Special Training on AN/APR-9B Equipment (Depot) AF-1715-0371

AN/APS-107

AN/APS-107, AN/APR-31 (ER-142) RHAW System AF-1715-0236

AN/APS-20E

Airborne Early Warning Radar Repairman (AN/APS-20E) AF-1715-0025

AN/APS-23A

Special Training AN/APS-23A AF-1715-0414

AN/APS-42A

Special Training on AN/APS-42A AF-1715-0370

AN/APS-45

Airborne Early Warning Radar Repairman (AN/APS-45) AF-1715-0029

AN/APX-25

Special Course AN/APX-25 AF-1715-0215

Transponder Set AN/APX-25 AF-1715-0215

AN/APX-28

Special Training, AN/APX-28 AF-1715-0425

AN/APX-72

AN/APX-72 Transponder, Field/Organizational (F/O) Maintenance AF-1715-0409

AN/APX-72 Transponder, Intermediate/Organizational (I/O) Maintenance AF-1715-0142

AN/APX-76

AN/APX-76 Interrogator Field/Organizational (F/O) Maintenance AF-1715-0342

AN/ARC-106

Airborne Electrical Systems Technician (AN/ARC-106) AF-1715-0509

AN/ARC-21

Special Radio Maintenance Technician HF Liaison Equipment AN/ARC-21 AF-1715-0078

Special Training, AN/ARC-21 HF Liaison Equipment AF-1715-0078

AN/ARC-58

Special Training, AN/ARC-58 Single Sideband HF Radio Set AF-1715-0083

AN/ARN-31

Special Radio Maintenance Technician, Radio Receiving Set, AN/ARN-31 AF-1715-0082

AN/ARR-71

AN/ART-47 and AN/ARR-71, Field/Organizational (F & O) Maintenance AF-1715-0408

AN/ART-47

AN/ART-47 and AN/ARR-71, Field/Organizational (F & O) Maintenance AF-1715-0408

AN/ASG-14

Fire Control Systems Mechanic (AN/ASG-14 System) AF-1715-0211

AN/ASG-21

Defensive Fire Control Systems Mechanic (MD-7, AN/ASG-21 Turrets) AF-1715-0540

AN/ASH-4

Depot Overhaul of the AN/ASH-4 Light and Time Recorder and AN/UVM-1 Test Set AF-1715-0503

Field and Organizational (F & O) Maintenance of the AN/ASH-4 Light and Time Recording Set AF-1715-0504

AN/ASN-6

Special Training on AN/ASN-6 (Field and Organizational) AF-1715-0366

AN/ASN-7

AN/ASN-7 Automatic Navigational Computer AF-1715-0015

Field and Organizational Maintenance of Automatic Navigation Computer (AN/ASN-7) AF-1715-0015

AN/ASQ-38

Unit Test Equipment (AN/ASQ-38) AF-1715-0257

Upgrading, B-52 Aircraft (AN/ASQ-38 Weapons Control System) AF-1606-0115

AN/ASQ-48

Navigator Bombardier (AN/ASQ-48) AF-1704-0185

Unit Test Equipment (AN/ASQ-48) AF-1715-0275

AN/CPN-18

Air Traffic Control Radar Repairman, AN/CPN-18, AN/FPN-16 AF-1715-0676

Air Traffic Control Radar Repairman (AN/FPN-16 and AN/CPN-18) AF-1715-0676

AN/CPN-4

Air Traffic Control Radar Repairman AN/CPN-4 AF-1715-0422

AN/CPS-1

Aircraft Control and Warning Radar Repairman (AN/CPS-1, AN/CPS-4, AN/CPS-5 and IFF) AF-1715-0104

AN/CPS-6B

Aircraft Control and Warning Radar Repairman (AN/CPS-6B and AN/FPS-6) AF-1715-0023

Aircraft Control and Warning Radar Repairman (AN/CPS-6B and IFF) AF-1715-0023

Special Training, AN/CPS-6B and Mark X IFF AF-1715-0404

AN/CPS-9

AN/CPS-9 Radar Set Organizational/Intermediate (O/I) Maintenance AF-1715-0613

AN/FCC-21

Radio Relay Equipment Repairman AN/FCC-21, AN/MCC-13, AN/FCC-32, MC-50, MW-503, and AN/FRC-39A(V) AF-1715-0659

AN/FCC-32

Radio Relay Equipment Repairman AN/FCC-21, AN/MCC-13, AN/FCC-32, MC-50, MW-503, and AN/FRC-39A(V) AF-1715-0659

Radio Relay Equipment Repairman MC-50, AN/MCC-13, AN/FCC-32(V) (TMS-2), MW-503A, AN/FRC-39A(V), AN/MRC-85 AF-1715-0659

AN/FLR-9(V)

Ground Radio Communications Equipment Repairman (AN/FLR-9(V)) AF-1715-0346

AN/FPN-13

Special Training on AN/FPN-13 AF-1715-0398

AN/FPN-16

Air Traffic Control Radar Repairman, AN/CPN-18, AN/FPN-16 AF-1715-0676

Air Traffic Control Radar Repairman (AN/FPN-16 and AN/CPN-18) AF-1715-0676

AN/FPS-17
AN/FPS-17 Operation and Monitoring AF-1715-0519

AN/FPS-18
Aircraft Control and Warning Radar Repairman (AN/FPS-18, AN/FST-1, AN-FSA-10, AN/FSW-1) AF-1715-0060

AN/FPS-20
Aircraft Control and Warning Radar Repairman (AN/FPS-20 and AN/FPS-6) AF-1715-0115

AN/FPS-24
AN/FPS-24 FD Radar Maintenance (Paper and Pencil) AF-1715-0244
Special Training, AN/FPS-24 (Field and Organizational) AF-1715-0514

AN/FPS-26A
AN/FPS-26A Radar Field and Organizational (F & O) Maintenance AF-1715-0213
Special Training, AN/FPS-26A (Field and Organizational) AF-1715-0523
Special Training AN/FPS-26A (Field and Organizational Maintenance) AF-1715-0213

AN/FPS-27
AN/FPS-27 Field and Organizational (F & O) Maintenance AF-1715-0616
Special Training, AN/FPS-27, Field and Organizational (F & O) Maintenance AF-1715-0556

AN/FPS-3
Aircraft Control and Warning Radar Repairman (AN/FPS-3, AN/FPS-6) AF-1715-0103
Aircraft Control and Warning Radar Repairman (AN/FPS-3, AN/FPS-6 and IFF) AF-1715-0103

AN/FPS-35
AN/FPS-35 FD Radar Maintenance (Paper and Pencil) AF-1715-0241

AN/FPS-4
Aircraft Control and Warning Radar Repairman (AN/FPS-8 and AN/FPS-4) AF-1715-0105
Aircraft Control and Warning Radar Repairman, AN/FPS-8, AN/FPS-4 AF-1715-0020
Aircraft Control and Warning Radar Repairman, AN/FPS-8, AN/FPS-4, and IFF AF-1715-0020

AN/FPS-6
Aircraft Control and Warning Radar Repairman (AN/CPS-6B and AN/FPS-6) AF-1715-0023
Aircraft Control and Warning Radar Repairman (AN/FPS-20 and AN/FPS-6) AF-1715-0115
Aircraft Control and Warning Radar Repairman (AN/FPS-3, AN/FPS-6) AF-1715-0103
Aircraft Control and Warning Radar Repairman (AN/FPS-3, AN/FPS-6 and IFF) AF-1715-0103
AN/FPS-6 as Modified by OA-2325, Field and Organizational (F & O) Maintenance AF-1715-0242
Special Training, AN/FPS-6 (Air Force) AF-1715-0402
Special Training, AN/FPS-6 (Army) AF-1715-0512

AN/FPS-7
Special Training, AN/FPS-7 (Field and Organizational) AF-1715-0522
Special Training, AN/FPS-7, Field and Organization (F & O) Maintenance AF-1715-0214

AN/FPS-77
AN/FPS-77 Meteorological Radar Set, Field/Organizational (F/O) AF-1715-0237

AN/FPS-8
Aircraft Control and Warning Radar Repairman (AN/FPS-8 and AN/FPS-4) AF-1715-0105
Aircraft Control and Warning Radar Repairman, AN/FPS-8, AN/FPS-4 AF-1715-0020
Aircraft Control and Warning Radar Repairman, AN/FPS-8, AN/FPS-4, and IFF AF-1715-0020
AN/FPS-8 (MPS-11), FPS-6 and GPA-122 Organizational/Intermediate (O/I) Maintenance AF-1715-0249
Special Training on AN/FPS-8 AF-1715-0399

AN/FRC-39
Radio Relay Equipment Repairman (FPTS)(AN/FRC-39 and AN/FRC-39A) AF-1715-0079

AN/FRC-39A
Radio Relay Equipment Repairman (FPTS)(AN/FRC-39 and AN/FRC-39A) AF-1715-0079

AN/FRC-39A(V)
Radio Relay Equipment Repairman AN/FCC-21, AN/MCC-13, AN/FCC-32, MC-50, MW-503, and AN/FRC-39A(V) AF-1715-0659
Radio Relay Equipment Repairman (AN/MRC-85; AN/FRC-39A(V); AN/MCC-13) AF-1715-0659
Radio Relay Equipment Repairman MC-50, AN/MCC-13, AN/FCC-32(V) (TMS-2), MW-503A, AN/FRC-39A(V), AN/MRC-85 AF-1715-0659

AN/FRT-49
Ground Radio Communications Equipment Repairman (AN/FRT-49, AN/GKA-5) AF-1715-0738
Ground Radio Equipment Repairman (AN/FRT-49, AN/GKA-5) AF-1715-0738

AN/FSA-21
Electronic Computer Systems Repairman (Weapons Control Computer Group, AN/FSA-21/412L) AF-1715-0034

AN/FSA-21/412L
Electronic Computer Repairman (AN/FSA-21/412L) AF-1715-0016
Electronic Digital Computer Repairman (AN/FSA-21/412L) AF-1715-0016

AN/FSQ-7
AN/FSQ-7 (SAGE) Maintenance AF-1715-0106
Electric Digital Computer Repairman (SAGE AN/FSQ-7) AF-1715-0058
Electronic Computer Repairman (SAGE AN/FSQ-7) AF-1715-0058
Electronic Digital Data Processing Equipment Maintenance Technician (AN/FSQ-7 Systems Technician) AF-1715-0266
Electronic Digital Data Processing Equipment Repairman, Central-Computer (416L-AN/FSQ-7) AF-1715-0348
Orientation AN/FSQ-7, AN/FSQ-8 AF-1715-0604

AN/FSQ-8
Orientation AN/FSQ-7, AN/FSQ-8 AF-1715-0604

AN/FSS-7
AN/FSS-7 Radar Maintenance (w/o AN/FSS Equipment) for FPS-26A Experienced Personnel AF-1715-0233
AN/FSS-7 Radar Maintenance (w/o AN/FSS Equipment) for Personnel w/o FPS-26A Experience AF-1715-0235

AN/FST-2
Aircraft Control and Warning Radar Repairman, AN/FST-2 AF-1715-0111
Special Training, AN/FST-2 and RAPPI AF-1715-0416
Special Training, AN/FST-2 (Field and Organizational) (F & O) AF-1715-0416

AN/FST-2B
Electronic Computer Systems Repairman (AN/FST-2B) AF-1715-0018
Electronic Digital Data Processing Repairman (AN/FST-2B) AF-1715-0018
Special Training, AN/FST-2B and RAPPI (Field and Organizational) (F & O) AF-1715-0416

AN/FYA-38
AN/FYQ-45 and AN/FYA-38 Maintenance AF-1715-0062

AN/FYQ-40
Common Digitizer AN/FYQ-40, F & O AF-1402-0021

AN/FYQ-45
AN/FYQ-45 and AN/FYA-38 Maintenance AF-1715-0062

AN/FYQ-9
Data Processor/Display (AN/FYQ-9), Field/Organizational (F/O) Maintenance AF-1715-0276

AN/GKA-1
Special Training, AN/GKA-1 and 4 (Field and Organizational) (F & O) AF-1715-0413

AN/GKA-5
Ground Radio Communications Equipment Repairman (AN/FRT-49, AN/GKA-5) AF-1715-0738
Ground Radio Equipment Repairman (AN/FRT-49, AN/GKA-5) AF-1715-0738

AN/GLR-1
Aircraft Control and Warning (AC & W) Radar Repairman (AN/GLR-1/FLR-12) AF-1715-0234

AN/GMD-2
AN/GMD-2 (Rawinsonde) Field and Organization Maintenance AF-1721-0004

AN/GMQ-10A
Field and Organizational (F & O) Maintenance AN/GMQ-10A Transmissometer, AN/GMQ-13 Rotating Beam Ceilometer AF-1715-0141

AN/GPA-125
AN/GPA-125 Coder-Decoder, Organizational/Intermediate (O/I) Maintenance AF-1715-0131

AN/GPA-133
AN/GPA-133 F/O Maintenance AF-1715-0071
AN/GPA-133 O/I Maintenance AF-1715-0071

AN/GPA-37
Aircraft Control and Warning Radar Repairman (AN/GPA-37) AF-1715-0056
Special Training, AN/GPA-37 (Field and Organizational)(F & O) AF-1715-0419

AN/GPA-73
Work Center Supervisor (AN/GPA-73) AF-1717-0007

AN/GPN-12
AN/GPN-12 Organizational/Intermediate (O/I) Maintenance AF-1715-0246

AN/GPQ-T6
Defensive Systems Trainer Specialist, AN/GPQ-T6 AF-1715-0138

AN/GPS-T4
AN/GPS-T4 Field and Organizational (F & O) Maintenance AF-1715-0733

AN/GRA-111
AN/GRA-111 Organizational/Intermediate (O/I) Maintenance AF-1715-0612

AN/GRC-137
Ground Radio Communications Equipment Technician (AN/GRC-137) AF-1715-0238

AN/GSA-51A
Electronic Computer Repairman BUIC AN/GSA-51A AF-1715-0677
Electronic Computer Systems Repairman (BUIC AN/GSA-51A) AF-1715-0447

AN/GSM-133
Checkout Sequence Programming Set, AN/GSM-133 (AGM-69A) AF-1402-0067

AN/GYK-19
Electronic Computer Systems Repairman (BUIC AN/GYK-19) AF-1715-0447

Animal
Animal Specialist AF-0102-0001
Animal Technician AF-0102-0002
Laboratory Animal Technician AF-0102-0002

AN/MCC-13
Radio Relay Equipment Repairman AN/FCC-21, AN/MCC-13, AN/FCC-32, MC-50, MW-503, and AN/FRC-39A(V) AF-1715-0659
Radio Relay Equipment Repairman (AN/MRC-85; AN/FRC-39A(V); AN/MCC-13) AF-1715-0659
Radio Relay Equipment Repairman MC-50, AN/MCC-13, AN/FCC-32(V) (TMS-2), MW-503A, AN/FRC-39A(V), AN/MRC-85 AF-1715-0659

AN/MMQ-2
AN/MMQ-2 Meteorological Station Manual AF-1304-0012

AN/MPN-1
Air Traffic Control Radar Repairman (AN/MPN-1) AF-1715-0488

AN/MPQ-T2A
AN/MPQ-T2A (Theory) AF-1715-0265

AN/MRC-107
AN/MRC-107, F/O Maintenance AF-1715-0072
AN/MRC-107, I/O Maintenance AF-1715-0072
EMU/12E and AN/MRC-107 Generator Sets AF-1715-0698

AN/MRC-107A
AN/MRC-107A, I/O Maintenance AF-1715-0072

AN/MRC-85
Radio Relay Equipment Repairman (AN/MRC-85; AN/FRC-39A(V); AN/MCC-13) AF-1715-0659
Radio Relay Equipment Repairman MC-50, AN/MCC-13, AN/FCC-32(V) (TMS-2), MW-503A, AN/FRC-39A(V), AN/MRC-85 AF-1715-0659

AN/MRN-7
Special Radio Maintenance Technician AN/MRN-7 and AN/MRN-8 Instrument Landing System AF-1715-0084

AN/MRN-7A
Special Training, AN/MRN-7A, AN/MRN-8A, and Wilcox 492A Maintenance Field and Organizational (F & O) AF-1715-0189

AN/MRN-8
Special Radio Maintenance Technician AN/MRN-7 and AN/MRN-8 Instrument Landing System AF-1715-0084

AN/MRN-8A
Special Training, AN/MRN-7A, AN/MRN-8A, and Wilcox 492A Maintenance Field and Organizational (F & O) AF-1715-0189

AN/MSQ-1A
Special Training, AN/MSQ-1A (Field and Organizational) (F & O) AF-1715-0423

AN/MSQ-35
AN/MSQ-35 Radar Bomb Scoring Central F/O AF-1715-0363

AN/MSQ-39
Automatic Tracking Radar Specialist (AN/MSQ-39) AF-1715-0405

Antenna
Antenna Installation and Maintenance AF-1714-0020
Cable and Antenna Installation Specialist AF-1714-0015
Outside Wire and Antenna Maintenance Repairman AF-1714-0015
Outside Wire and Antenna Systems Installation and Maintenance AF-1714-0015
Outside Wire and Antenna Systems Installation and Maintenance Specialist AF-1714-0015
Special Training on Antenna OA-492/APS-20B (Depot) AF-1715-0415

AN/TGC-14(V)
AN/TGC-14(V) Teletypewriter I & O Maintenance AF-1715-0075

AN/TPN-12
Air Traffic Control Radar Repairman (AN/TPN-12) AF-1715-0737
Special Training AN/TPN-12 (GCA) AF-1715-0279

AN/TPS-1D
Aircraft Control and Warning Radar Repairman (AN/TPS-1D, AN/TPS-10D) AF-1715-0118
Aircraft Control and Warning Radar Repairman (AN/TPS-1D, AN/TPS-10D and IFF) AF-1715-0118
Special Training on Radar Set AN/TPS-1D AF-1715-0407

AN/TPS-44
AN/TPS-44 Radar Organizational/Intermediate (O/I) Maintenance AF-1715-0251

Antrac
Radio Relay Equipment Repairman (Carrier and Antrac Equipment) AF-1715-0120

AN/TRC
Radio Relay Equipment Repairman (AN/TRC) AF-1715-0122

AN/TRC-24
Special Radio Maintenance Technician, AN/TRC-24 Radio Set AF-1715-0081

AN/TRC-87
AN/TRC-87 Field and Organization (F & O) Maintenance AF-1715-0228

AN/TRC-97A
AN/TRC-97A Radio Set, Field/Organizational (F/O) Maintenance (407L) AF-1715-0357
AN/TRC-97A Radio Set, Organizational/Intermediate (O/I) Maintenance (407L) AF-1715-0357

AN/TSC-38B
AN/TSC-38B I/O Maintenance AF-1715-0099

AN/TSC-60
AN/TSC-60 Communications Central O/I (407L) AF-1715-0188

AN/TSQ-96
AN/TSQ-96 Organizational/Intermediate (O/I) Maintenance AF-1715-0252

AN/TTC-19
Electronic Switching Center, AN/TTC-19 AF-1715-0356

AN/TTC-30
AN/TTC-30 Electronic Switch Intermediate/Organizational (I/O) Maintenance AF-1715-0165

AN/UPX-14
AN/UPX-14, Field and Organizational (F & O) Maintenance AF-1715-0177
AN/UPX-14 Interrogator Set, O/I Maintenance AF-1715-0017

AN/URN-3A
Special Training, AN/URN-3A Maintenance Field and Organizational (F & O) AF-1715-0591

AN/UVM-1
Depot Overhaul of the AN/ASH-4 Light and Time Recorder and AN/UVM-1 Test Set AF-1715-0503

APG-T1
Gunnery Trainer Specialist (APG-T1, T1A) AF-1715-0216

Appliance
Orthopaedic Appliance Specialist AF-0709-0021

Approach
Air Route Traffic Control and Approach Control Operator AF-1704-0008

APQ-109
Weapons Control Systems Mechanic (F-4C/D: APQ-109/APA-165) AF-1715-0535

APQ-120
Weapons Control Systems Mechanic (F-4E:APQ-120) AF-1715-0610

Arabic
Arabic AF-0602-0007 AF-0602-0012 DD-0602-0001 DD-0602-0002 DD-0602-0003 DD-0602-0004 DD-0602-0006 DD-0602-0009
Arabic—Eastern AF-0602-0013
Arabic—Western AF-0602-0007 AF-0602-0012

Arctic
Arctic Survival Training AF-0802-0022

Area
Intelligence Area Studies (SEA) AF-1601-0042

Armament
Advanced Armament Officer AF-1408-0049
Air Electronics Maintenance for Armament Systems Officer AF-1715-0560
Armament Officer AF-1408-0049
Armament Systems Officer, Bomber AF-1715-0536
Armament Systems Officer (Fighter) AF-1715-0497
Armament Systems Officer (GAM-77) AF-1704-0147

Armed
Armed Forces Staff College DD-0326-0001

Arms
Small Arms Gunsmith Specialist AF-2203-0026
Small Arms Specialist AF-2203-0001

ARRS
Advanced Aircraft Loadmaster (HC-130 ARRS AF-1606-0028
Flight Engineer Advanced Flying (HC-130) ARRS AF-1606-0027
Navigator Advanced Flying (HC-130) ARRS AF-1606-0025
Pilot Advanced Flying (HC-130) ARRS AF-1606-0026
Pilot Advanced Flying (HH-43) ARRS AF-1606-0128
Radio Operator (HC-130) ARRS AF-1606-0024

Artillery
Air Defense Artillery Director (SAGE) AF-1715-0288
Assistant Air Defense Artillery Director (SAGE) AF-1715-0289

A/S32P-2
A/S32P-2 Firefighting Vehicle Operator AF-1728-0030

A/S32R-2
A/S32R-2 Refueler (Model 2116) Intermediate/Organizational (I/O) Maintenance AF-1710-0020

A/S 48A-1
Maintenance of A/S 48A-1 Wheel Mover AF-1704-0144

ASB-15
Bomb-Navigation System Mechanic (ASB-15 System) AF-1715-0485
Bomb Navigation System Mechanic (B-52C/D: ASB-15 System) AF-1715-0485
Bomb-Navigation Systems Mechanic (B-52C/D: ASB-15 System) AF-1715-0485

ASB-4
Bomb Navigation Systems Mechanic (ASB-4/4A/9/9A/16 Systems) AF-1715-0483
Bomb Navigation Systems Mechanic (ASB-4 Systems) AF-1715-0483
Bomb Navigation Systems Technician (ASB-4/4A/9/9A/16 Systems) AF-1715-0263
Bomb Navigation Systems Technician (ASB-4 and ASB-9 Systems) AF-1715-0263
Bomb Navigation Systems Technician (ASB-4 Systems) AF-1715-0263

ASB-4A
Bomb Navigation System Mechanic (B-52E, F, G, H; ASB-4A/9A/16 Systems) AF-1715-0483
Bomb Navigation Systems Mechanic (ASB-4A/9A/16 Systems) AF-1715-0483
Bomb Navigation Systems Mechanic (B-52E, F, G, H; ASB-4A/9A/16 Systems) AF-1715-0483
Bomb Navigation Systems Technician (ASB-4A/9A/16 Systems) AF-1715-0263

ASB-9
Bomb Navigation Systems Technician (ASB-4 and ASB-9 Systems) AF-1715-0263

ASG-14
Fire Control Systems Mechanic (MA-10, ASG-14 Systems) AF-1715-0567
Fire Control Systems Technician (MA-10, ASG-14 System) AF-1715-0592
Offensive Fire Control Systems Mechanic (MA-10, ASG-14 Systems) AF-1715-0567

ASG-15
Defensive Fire Control System Mechanic (A-3A, MD-9, ASG-15 Turrets) AF-1715-0482
Defensive Fire Control Systems Mechanic (A-3A, MD-9, ASG-15 Fire Control Systems) AF-1715-0482
Defensive Fire Control Systems Mechanic (A-3A, MD-9, ASG-15 Turrets) AF-1715-0482
Defensive Fire Control Systems Technician (A-3A, MD-9, ASG-15 Fire Control Systems) AF-1715-0259
Defensive Fire Control Systems Technician (A-3A, MD-9, ASG-15 Turrets) AF-1715-0259
Turret Systems Mechanic (A-3A, MD-9, ASG-15 Turrets) AF-1715-0482
Turret Systems Technician (A-3A, MD-9, ASG-15 Turrets) AF-1715-0259

ASG-17
Fire Control Systems Mechanic (F-100A/C/D/F: MA-3, ASG-17 Systems)
AF-1715-0117
Fire Control Systems Mechanic (MA-3, ASG-17 Systems)
AF-1715-0117
Fire Control System Technician (MA-3, ASG-17 Systems)
AF-1715-0012
Offensive Fire Control Systems Mechanic (MA-3, ASG-17 Systems)
AF-1715-0117
Offensive Fire Control Systems Technician (MA-3, ASG-17 Systems)
AF-1715-0012

ASG-19
Fire Control Systems Mechanic (ASG-19)
AF-1715-0010
AF-1715-0011
Fire Control Systems Mechanic (ASG-19 System)
AF-1715-0010
Offensive Fire Control Systems Mechanic (ASG-19 System)
AF-1715-0010
AF-1715-0011
Weapons Control Systems Mechanic (ASG-19 System)
AF-1715-0010
Weapons Control Systems Mechanic (F-105D/F: ASG-19 System)
AF-1715-0010

ASG-21
Defensive Fire Control System Mechanic (B-52H, ASG-21 Turret)
AF-1715-0540
Defensive Fire Control Systems Mechanic (B-52H, ASG-21 Turrets)
AF-1715-0540
Defensive Fire Control Systems Mechanic (B-52H, B-58: MD-7, ASG-21 Turrets)
AF-1715-0540

ASQ-25
Weapons Control Systems Mechanic (F-106A/B: MA-1, ASQ-25 Systems)
AF-1715-0375
Weapons Control Systems Mechanic (MA-1, ASQ-25 Systems)
AF-1715-0375

ASQ-38
Navigator Bombardier Training (ASQ-38)
AF-1606-0080
Navigator Bombardier Upgrade Training (ASQ-38)
AF-1606-0115

ASQ-42
Navigator-Bombardier Upgrade Training (ASQ-42)
AF-1606-0133

ASQ-48
Navigator Bombardier (ASQ-48)
AF-1704-0185
Navigator-Bombardier Upgrade Training (ASQ-48)
AF-1606-0134

ASR
Intermediate/Organizational (I/O) Maintenance M-28 ASR Low Level Keying
AF-1715-0710
Intermediate/Organizational (I/O) Maintenance M-37 ASR Low Level Keying
AF-1715-0125

Assistance
Defense Security Assistance Management Overseas
DD-0327-0001

Astro
Automatic Astro Compass TYPE MD-1 (Field and Organizational (F & 0))
AF-1715-0606
B52H, A-14 Autopilot, AN/AJN-8 HVRS and MD-1 Astro Compass
AF-1721-0003
Operation and Maintenance of MD-1 Astro Compass Test Equipment
AF-1715-0089

ATC
ATC Instructor Training
AF-1406-0039
AF-1406-0041
ATC Instructor Training (Navigator)
AF-1406-0039

Atlas
Missile Launch/Missile Officer (Atlas HGM-16F)
AF-1715-0636

Atomic
Atomic Energy, Phase I
AF-1715-0169
Atomic Energy, Phase I (Electrical)
AF-1715-0169
Atomic Weapons Officer
AF-1715-0545
Officers Phase I, Atomic Energy
AF-1715-0290

Audio
Audio-Visual Fundamentals
AF-1709-0012

Audit
Advanced Data Processing Audit Analysis
AF-1402-0041

Auditing
Auditing Data Processing Systems
AF-1402-0042

Auditor
Auditor
AF-1401-0013

Aural Comprehension
Defense Language Institute Aural Comprehension Courses
DD-0602-0003

Automated
Automated Systems Analyst (Management Support Systems)
AF-1402-0064
AF-1402-0066
Automated Systems Program Designer
AF-1402-0010
AF-1402-0044
Automated Systems Program Designer (Management Support Systems)
AF-1402-0010
Automated Systems Programming Technician (Management Support Systems)
AF-1402-0002

Automatic
Automatic Central Office Equipment Repairman
AF-1715-0050
Automatic Central Office Equipment Technician (Kellogg K-60)
AF-1715-0685
Automatic Digital Switching Technician
AF-1402-0020
Automatic Flight Control Systems Specialist
AF-1715-0541
AF-1715-0543
Automatic Flight Control Systems Specialist (B-58)
AF-1715-0539
Automatic Flight Control Systems Specialist (Bomber)
AF-1715-0542
Automatic Flight Control Systems Specialist (Fighters and B-58)
AF-1715-0543
Automatic Flight Control Systems Specialist (Other)
AF-1715-0541
Automatic Flight Control Systems Specialist (Tanker/Cargo/Utility/Bomber. Except B-58)
AF-1715-0541
Automatic Flight Control Systems Technician
AF-1715-0377
AF-1715-0378
Automatic Flight Control Systems Technician (Fighters and B-58)
AF-1715-0378
Automatic Teletype and Electronic Switching Systems Repairman
AF-1715-0102
Automatic Tracking Radar Repairman
AF-1715-0368
Automatic Tracking Radar Specialist
AF-1715-0009
Automatic Tracking Radar Specialist (AN/MSQ-39)
AF-1715-0405
Automatic Tracking Radar Specialist (Auto Tracking Radar Equipment)
AF-1715-0009
Automatic Tracking Radar Specialist (Radar Systems)
AF-1715-0009
Automatic Tracking Radar Specialist (Rate and Track Subsystems) (SM-65)
AF-1715-0406
Automatic Tracking Radar Technician
AF-1715-0021
Automatic Tracking Radar Technician (Automatic Tracking Radar Equipment)
AF-1715-0021
Automatic Tracking Radar Technician (Radar Equipment)
AF-1715-0021
Electronic Communications and Cryptographic Systems Equipment Repairman (Automatic Teletype)
AF-1715-0102
General Purpose Automatic Transmission Maintenance
AF-1703-0012

Automation
Advanced Data Automation Analysis and Design
AF-1402-0053
Data Automation Officer
AF-1402-0046

Automotive
Automotive AC Electrical Systems
AF-1703-0008

Automotive Mechanic AF-1703-0014
Automotive Repairman AF-1703-0014
Automotive Shop Management AF-1405-0049

Autopilot
A-12D Autopilot AF-1715-0629
A-14 Autopilot and N-1, MD-1 Compasses AF-1715-0630
Autopilot/Compass Systems Repairman AF-1715-0542
B52H, A-14 Autopilot, AN/AJN-8 HVRS and MD-1 Astro Compass AF-1721-0003
E-4 (A-12) Autopilot AF-1715-0628
E-6 Autopilot and N-1 Compass AF-1715-0626
Field and Organizational Maintenance, PB-10 Autopilot AF-1715-0625
MB-2 Autopilot, F-84F AF-1704-0148
MB-5 Autopilot Repairman, F-101B AF-1704-0119
MC-1 Autopilot and N-1 Compass (KC-135) AF-1715-0627
N-1 and MD-1 Compasses, AN/AJA-1 Computer and A-14 Autopilot AF-1715-0624

AUTOVON
Electronics Switching Systems Repairman (490L Overseas AUTOVON) AF-1715-0500
Electronic Switching Systems Repairman (490L Overseas AUTOVON) AF-1715-0396

Aviation
Aviation Cadet Pre-Flight (Pilot) AF-1606-0109
Aviation Cadet Pre-Flight (Pilot and Navigator) AF-1606-0109
Aviation Fuel Monitoring Specialist AF-1601-0040
Preflight Training for Aviation Cadets AF-1606-0109

Avionic
Avionic Communications Specialist AF-1715-0492
Avionic Inertial and Radar Navigation Systems Specialist AF-1715-0027
Avionic Inertial and Radar Navigation Systems Technician (AN/APN-81-89A/99A Doppler) AF-1715-0024
Avionic Sensor Systems Specialist (Electronic Sensors) AF-1715-0475
Avionic Sensor Systems Specialist (Electro-Optical Sensors) AF-1715-0478
Integrated Avionic Systems Specialist AF-1715-0186
AF-1715-0511

Avionics
Avionics Aerospace Ground Equipment Specialist AF-1715-0537
Avionics Instrument Specialist (Lateral) AF-1715-0176
Avionics Instrument Systems Specialist AF-1715-0462
Avionics Instrument Systems Technician AF-1715-0703
Avionics Munitions Staff Officer AF-1408-0049
Avionics Navigation Systems Specialist AF-1715-0680
Avionics Officer AF-1715-0359
Avionics Officer (AGM-28A) AF-1704-0147
Avionics Officer (Bomber) AF-1715-0536
Avionics Officer (Fighter) AF-1715-0497
Avionics Officer (Other) AF-1715-0323
Avionics Staff Officer AF-1408-0049
F/FB-111 Avionics AGE Maintenance Technician AF-1402-0027
Integrated Avionics Component Specialist (Navigation/Flight and Weapons Control) AF-1715-0476
Integrated Avionics Component Specialist (Navigation/Flight and Weapons Control, and Flight Data Recorder Systems) AF-1715-0476
Integrated Avionics Component Specialists (Communication/Mission and Traffic Control and Penetration Aids) AF-1715-0609
Integrated Avionics System Specialist (Inertial/Bomb Navigation, Fire/Weapon Control, Digital Computers, Airborne Photographic Systems, and Multi-Sensor Displays) AF-1715-0210
Integrated Avionics System Specialist (Navigation/Flight and Weapons Control) AF-1715-0476

B-25
Advanced Pilot Training Multi-Engine B-25 AF-1606-0014
USAF Instrument Pilot Instructor, Conventional (B-25) AF-1406-0019

B 263
B 263 Computer Programming and Operation AF-1402-0015

B-29
Medium Bombardment Conventional, B-29 Four-Engine Transition (Aircraft Commander and Co-Pilot) AF-1606-0041
Medium Bombardment Conventional B-29 Four-Engine Transition (Flight Engineer) AF-1606-0040
Medium Bombardment Conventional, B-29 Four-Engine Transition (Radio Operator) AF-1606-0043
Medium Bombardment Conventional, B-29 Four-Engine Transition (Scanner Gunner) AF-1606-0042

B-3500
Medical Materiel Supervisor (B-3500) AF-1405-0045

B-36
Aircraft Electrician Gunner, B-36 AF-1704-0158
Basic Observer B-36, B-47 and B-52 AF-1606-0135
Flexible Gunnery Training Gunlaying System Mechanic Gunner, B-36 AF-1606-0098
Flexible Gunnery Training Turret System Mechanic Gunner, B-36 AF-1606-0095
Gunlaying System Mechanic, B-36 AF-1715-0041
Gunlaying System Mechanic Gunner, B-36 AF-1606-0098
Turret System Mechanic, B-36 AF-1715-0515
Turret Systems Gunner (B-36) AF-1606-0097

B-47
Basic Observer B-36, B-47 and B-52 AF-1606-0135
Gunlaying System Mechanic, B-47 AF-1715-0040
Medium Bomb—Transition B-47 (Aircraft Commander/Pilot) AF-1606-0038
Medium Bomb—Transition B-47 (Aircraft Observer) AF-1606-0039

B-52
Aircraft Electrical Repairman, B-52 AF-1704-0167
Aircraft Hydraulic Repairman B-52 AF-1704-0098
Aircraft Mechanic B-52 AF-1704-0058
Aircraft Structural Sealing, B-52 AF-1704-0038
B-52, C-135, and KC-135 Fuel System Repairman and Wet Wing Sealing AF-1704-0017
Basic Observer B-36, B-47 and B-52 AF-1606-0135
Bonded Honeycomb and Structural Sealing (B-52/KC-135) AF-1704-0025
Fuel Cell Repairs (B-52 and KC-135) AF-1704-0019
Mechanical Accessories and Equipment Repairman, B-52 AF-1704-0178
Turret System Mechanic (B-52, A-3A) AF-1715-0482
Turret Systems Gunner, B-52(A-3A) AF-1715-0205
Upgrading, B-52 Aircraft AF-1606-0115
Upgrading, B-52 Aircraft (AN/ASQ-38 Weapons Control System) AF-1606-0115

B-52C/D
Bomb Navigation System Mechanic (B-52C/D: ASB-15 System) AF-1715-0485
Bomb-Navigation Systems Mechanic (B-52C/D: ASB-15 System) AF-1715-0485

B-52E
Bomb Navigation System Mechanic (B-52E, F, G, H; ASB-4A/9A/16 Systems)

AF-1715-0483
Bomb Navigation Systems Mechanic (B-52E, F, G, H; ASB-4A/9A/16 Systems)
AF-1715-0483

B-52G
Aircraft Hydraulic Repairman B-52G
AF-1704-0098
Aircraft Mechanic B-52G
AF-1704-0058
B-52G Fuel System Repairman and Wet Wing Sealing
AF-1704-0174

B-52H
Aircraft Electrical Repairman, B-52H
AF-1704-0167
Aircraft Mechanic, B-52H
AF-1704-0084
B52H, A-14 Autopilot, AN/AJN-8 HVRS and MD-1 Astro Compass
AF-1721-0003
B-52H Turbofan Engine Field and Organizational Maintenance
AF-1704-0073
Defensive Fire Control System Mechanic (B-52H, ASG-21 Turret)
AF-1715-0540
Defensive Fire Control Systems Mechanic (B-52H, ASG-21 Turrets)
AF-1715-0540
Defensive Fire Control Systems Mechanic (B-52H, B-58: MD-7, ASG-21 Turrets)
AF-1715-0540

B-57
USAF Combat Flying School, Light Bomb Jet (B-57)—Observer
AF-1606-0121
USAF Combat Flying School, Light Bomb Jet (B-57)—Pilot
AF-1606-0120

B-58
Automatic Flight Control Systems Specialist (B-58)
AF-1715-0539
Automatic Flight Control Systems Specialist (Fighters and B-58)
AF-1715-0543
Automatic Flight Control Systems Technician (Fighters and B-58)
AF-1715-0378
B-58 Bomber Defense Officer
AF-1715-0553
B-58 Ground Support Equipment, Field and Organizational Maintenance
AF-1730-0015
Electronic Warfare Upgrade Training (B-58)
AF-1715-0553
Flight Control/Autopilot Systems Repairman (B-58)
AF-1715-0539
Ground Support Air Conditioner (B-58)
AF-1701-0003
Repair of Bonded and Brazed Honeycomb Structures (B-58)
AF-1704-0025
Upgrading, B-58 Aircraft
AF-1606-0133
Upgrading B-58 Aircraft (AN/ASQ-42 Weapons Control System)
AF-1606-0133

B-66
K-5 Bomb-Navigation System (B-66)
AF-1715-0410
Turret Systems Gunner, B-66 (MD-1)
AF-1715-0206
Upgrading B-66 Aircraft
AF-1606-0136

Baker
Aleutian DEW Line Baker
AF-1729-0006
Baker
AF-1729-0008

Baker-Nunn
Baker-Nunn Electronic Maintenance
AF-1715-0717
Baker-Nunn Photographic Maintenance
AF-1721-0005

Baking
Baking
AF-1729-0008

Ballistic
Aircraft and Missile Ground Support Equipment Repairman (Ballistic Missiles)
AF-1715-0631
Ballistic Missile Analyst Specialist (HGM-16F)
AF-1715-0295
Ballistic Missile Analyst Specialist (HGM-25A)
AF-1715-0662
Ballistic Missile Analyst Specialist (LGM-25C)
AF-1715-0376
Ballistic Missile Analyst Specialist (PGM-16D)
AF-1715-0294
Ballistic Missile Analyst Specialist (PGM-16E)
AF-1715-0300
Ballistic Missile Analyst Specialist (SM65D)
AF-1715-0294
Ballistic Missile Analyst Specialist (SM-65E)
AF-1715-0300
Ballistic Missile Analyst Specialist (SM-65F)
AF-1715-0295
Ballistic Missile Analyst Specialist (SM-68A)
AF-1715-0662
Ballistic Missile Analyst Specialist, SM-80
AF-1715-0344
Ballistic Missile Analyst Specialist, WS-133A
AF-1715-0344
Ballistic Missile Analyst Specialist, WS-133B
AF-1715-0731
Ballistic Missile Analyst Speicialist, WS-133A
AF-1715-0345
Ballistic Missile Analyst Technician (SM-65F)
AF-1715-0319
Ballistic Missile Checkout Equipment Specialist (HGM-25A)
AF-1715-0173
Ballistic Missile Checkout Equipment Specialist (SM65D)
AF-1715-0316
Ballistic Missile Checkout Equipment Specialist (SM-65E and F)
AF-1715-0161
Ballistic Missile Checkout Equipment Specialist (SM-68A)
AF-1715-0173
Ballistic Missile Checkout Equipment Specialist (SM-68B)
AF-1715-0160
Ballistic Missile Check-Out Equipment Specialist, SM-80
AF-1715-0299
Ballistic Missile Checkout Equipment Specialist/Technician, SM-68B
AF-1715-0304
Ballistic Missile Check-Out Equipment Specialist, WS-133A
AF-1715-0299
Ballistic Missile Checkout Equipment Specialist, WS-133B
AF-1715-0108
Ballistic Missile Checkout Equipment Technician, SM-80
AF-1715-0296
Ballistic Missile Control Mechanic (HGM-25A)
AF-1715-0321
Ballistic Missile Control Mechanic (SM-68A)
AF-1715-0321
Ballistic Missile Inertial Guidance Mechanic
AF-1715-0297
Ballistic Missile Inertial Guidance Mechanic (SM-65E and F)
AF-1715-0171
Ballistic Missile Inertial Guidance Mechanic (SM-68B) (LGM-25C)
AF-1715-0297
Ballistic Missile Inertial Guidance Mechanic/Technician (SM-68B)
AF-1715-0154
Ballistic Missile Inertial Guidance Technician/Mechanic (SM-65F)
AF-1715-0313
Ballistic Missile Inventory Management and COMLOGNET Procedures
AF-1405-0022
Ballistic Missile Inventory Management Procedures and LOGBALNET Operations
AF-1405-0022
Ballistic Missile Launch Equipment Repairman (SM65E & F)
AF-1715-0435
Ballistic Missile Launch Equipment Repairman (SM-68A)
AF-1715-0178
Ballistic Missile Launch Equipment Repairman (SM-68B)
AF-1715-0179
Ballistic Missile Launch Equipment Repairman, SM-80
AF-1715-0459
Ballistic Missile Launch Equipment Repairman/Technician, SM-68B
AF-1715-0303
Ballistic Missile Launch Equipment Repairman, WS-133A
AF-1715-0459
Ballistic Missile Launch Equipment Repairman, WS-133B
AF-1715-0725
Ballistic Missile Launch Equipment Technician, SM-80
AF-1715-0305
Ballistic Missile Radio Guidance Mechanic (SM-65D)
AF-1715-0317
Ballistic Missile Radio Guidance Mechanic (SM-68A)
AF-1715-0302
Ballistic Missile Safety
AF-0802-0008

Guidance Systems Mechanic (Ballistic Missile Inertial)
AF-1715-0327
Guided Missile Operations/Maintenance Officer (Ballistic Missiles)
AF-1715-0663
Missile Launch/Missile Officer (Ballistic Missiles)
AF-1715-0663
Missile Mechanic (Ballistic)
AF-1715-0644

Bandsman
Bandsman Supervisor
AF-1205-0001

Base
Advanced Base Procurement Management
AF-1405-0029
Air Force Base Level Maintenance Management
AF-1717-0025
Base Civil Engineer
AF-1601-0044
Base Level Military Personnel System (BLMPS)/Personnel Data System (PDS) Work Center Operations, Phase II
AF-1402-0060
Base Level Military Personnel System (BLMPS), Phase II
AF-1402-0060
Base Procurement Officer
AF-1405-0014
AF-1405-0038
Base Supply Trainer
AF-1405-0042

Basic
Basic Installations Engineering Officer
AF-1601-0044
Defense Language Institute Basic Courses (1954–1956)
DD-0602-0001
Defense Language Institute Basic Courses (After 1956)
DD-0602-0002

Basic Intermediate
Defense Language Institute Extended or Basic-Intermediate Courses
DD-0602-0005

Beacon
Special Training on Airborne Radar Beacon AN/APN-69 (Depot)
AF-1715-0421
Special Training on Airborne Radar Beacon AN/APN-69 (Field and Organizational)
AF-1715-0421

Beacons
Flight Facilities Equipment Repairman (Ranges and Beacons)
AF-1715-0253

BEAMS
Programs and Work Control Technician (BEAMS)
AF-1408-0045

Bengali
Bengali
AF-0602-0007
AF-0602-0012

Bio-Environmental
Bio-Environmental Engineering
AF-0707-0003

Biomedical
Biomedical Equipment Maintenance Specialist
AF-1715-0001

BLMPS
Base Level Military Personnel System (BLMPS)/Personnel Data System (PDS) Work Center Operations, Phase II
AF-1402-0060
Base Level Military Personnel System (BLMPS), Phase II
AF-1402-0060
BLMPS/PDS Work Center Operations, Phase II
AF-1402-0060

Block
Aircraft Jet Engine Block Test Mechanic
AF-1704-0050
Jet Engine Block Test and Vibration Analyzer
AF-1704-0015
AF-1704-0030
Jet Engine Block Test Mechanic
AF-1704-0050

BMEWS
BMEWS Space Surveillance Console Operator
AF-1715-0156
BMEWS Surveillance Officer
AF-2203-0011
AF-2203-0020

Body
Vehicle Body Repair
AF-1703-0002
AF-1703-0011

Bomb
Aircrew Transition—Medium Bomb-Jet (Aircraft Commander/Pilot)
AF-1606-0038
Aircrew Transition—Medium Bomb-Jet (Aircraft Observer)
AF-1606-0039
AN/MSQ-35 Radar Bomb Scoring Central F/O
AF-1715-0363
Bomb-Navigation System Mechanic (ASB-15 System)
AF-1715-0485
Bomb Navigation System Mechanic (B-52C/D: ASB-15 System)
AF-1715-0485
Bomb Navigation System Mechanic (B-52E, F, G, H; ASB-4A/9A/16 Systems)
AF-1715-0483
Bomb Navigation System Mechanic (K, MA-6A, MA-7A Systems)
AF-1715-0262
Bomb Navigation System Mechanic (MA-6A, MA-7A Systems)
AF-1715-0267
Bomb Navigation System Mechanic (MA-6A, MA-7A Systems) Televised
AF-1715-0256
Bomb Navigation Systems (Flight Line Mechanic)
AF-1715-0264
Bomb Navigation Systems Mechanic (ASB-4/4A/9/9A/16 Systems)
AF-1715-0483
Bomb Navigation Systems Mechanic (ASB-4A/9A/16 Systems)
AF-1715-0483
Bomb Navigation Systems Mechanic (ASB-4 Systems)
AF-1715-0483
Bomb-Navigation Systems Mechanic (B-52C/D: ASB-15 System)
AF-171[illegible]
Bomb Navigation Systems Mechanic (B-52E, F, G, H; ASB-4A/9A/16 Systems)
AF-1715-0483
Bomb Navigation Systems Mechanic (FB-111)
AF-1715-0006
Bomb Navigation Systems Mechanic (K-5 Series)
AF-1715-0268
Bomb Navigation Systems Mechanic (K, MA-6A, MA-7A Systems)
AF-1715-0262
Bomb Navigation Systems Mechanic (K-Series)
AF-1715-0262
Bomb Navigation Systems Mechanic (MA-2 System)
AF-1715-0483
Bomb Navigation Systems Mechanic (MA-6A and MA-7A Systems)
AF-1715-0267
Bomb Navigation Systems Mechanic (MA-6A, MA-7A Systems)
AF-1715-0267
Bomb Navigation Systems Technician (ASB-4/4A/9/9A/16 Systems)
AF-1715-0263
Bomb Navigation Systems Technician (ASB-4A/9A/16 Systems)
AF-1715-0263
Bomb Navigation Systems Technician (ASB-4 and ASB-9 Systems)
AF-1715-0263
Bomb Navigation Systems Technician (ASB-4 Systems)
AF-1715-0263
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Computer)
AF-1715-0225
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Radar and Interconnect)
AF-1715-0212
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Series Radar Interconnects)
AF-1715-0212
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Systems)
AF-1715-0226
Bomb Navigation Systems Technician (K-Series Computer)
AF-1715-0225
Bomb Navigation Systems Technician (K-Series Flight Line)
AF-1715-0226
Bomb Navigation Systems Technician (MA-6A, 7A Radar and ICE)
AF-1715-0212
Bomb Navigation Systems Technician (MA-6A and MA-7A Computer and Stab and Optics)
AF-1715-0225
Bomb Navigation Systems Technician (MA-6A and MA-7A Systems)
AF-1715-0226
Bomb Navigation Systems Technician (MA-6A, MA-7A Computer)
AF-1715-0225
Bomb Navigation Systems Technician (MA-6A, MA-7A Radar and Interconnect)
AF-1715-0212
Bomb Navigation Systems Technician (MA-6A, MA-7A Systems)
AF-1715-0226

Bomb Navigation System Technician (K, MA-6A, MA-7A Series Stabilization and Optics)
AF-1715-0563
Industrial Photo Interpretation and Bomb Damage Assessment
AF-1606-0053
K-5 Bomb-Navigation System (B-66)
AF-1715-0410
MA-2/ASB-4 Bomb Navigation Systems (Analyst Supervisor)
AF-1715-0287
MA-2/ASB-4 Bomb Navigation Systems (Radar and Computer Technician)
AF-1715-0286
Medium Bomb—Transition B-47 (Aircraft Commander/Pilot)
AF-1606-0038
Medium Bomb—Transition B-47 (Aircraft Observer)
AF-1606-0039
USAF Combat Flying School, Light Bomb Jet (B-57)—Observer
AF-1606-0121
USAF Combat Flying School, Light Bomb Jet (B-57)—Pilot
AF-1606-0120

Bombardier
Navigator Bombardier AN/ASQ-38(V)
AF-1606-0080
Navigator Bombardier (AN/ASQ-48)
AF-1704-0185
Navigator Bombardier (ASQ-48)
AF-1704-0185
Navigator Bombardier Training
AF-1606-0106
Navigator Bombardier Training (ASQ-38)
AF-1606-0080
Navigator Bombardier Training (MA-6A/7A)
AF-1606-0106
Navigator Bombardier Upgrade Training (ASQ-38)
AF-1606-0115
Navigator-Bombardier Upgrade Training (ASQ-42)
AF-1606-0133
Navigator-Bombardier Upgrade Training (ASQ-48)
AF-1606-0134
Navigator Bombardier Upgrade Training (FB-111)
AF-1606-0084

Bombardment
Advanced Navigator Radar Bombardment Training
AF-1606-0106
Advanced Navigator Reconnaissance Bombardment
AF-1606-0106
Advanced Observer Reconnaissance Bombardment
AF-1606-0106
Advanced Observer Strategic Bombardment
AF-1606-0092
Advanced Observer, Strategic Reconnaissance and Bombardment Training
AF-1606-0076
Advanced Observer, Tactical Reconnaissance and Bombardment Training
AF-1606-0075
Medium Bombardment Conventional, B-29 Four-Engine Transition (Aircraft Commander and Co-Pilot)
AF-1606-0041
Medium Bombardment Conventional B-29 Four-Engine Transition (Flight Engineer)
AF-1606-0040
Medium Bombardment Conventional, B-29 Four-Engine Transition (Radio Operator)
AF-1606-0043
Medium Bombardment Conventional, B-29 Four-Engine Transition (Scanner Gunner)
AF-1606-0042

Bomber
Armament Systems Officer, Bomber
AF-1715-0536
Automatic Flight Control Systems Specialist (Bomber)
AF-1715-0542
Automatic Flight Control Systems Technician (Bomber/Tanker)
AF-1715-0526
Avionics Officer (Bomber)
AF-1715-0536
B-58 Bomber Defense Officer
AF-1715-0553
Weapons Mechanic, Bomber
AF-1715-0594
Weapons Mechanic, Fighter Bomber
AF-1715-0597

Bombing
Navigation and Bombing Trainer Specialist
AF-1715-0544
Navigation and Bombing Trainer Specialist (AN/APQ-T10)
AF-1715-0544
Navigation and Bombing Trainer Specialist (AN/APQ-T2A)
AF-1715-0544
Navigation and Bombing Trainer Specialist (AN/APQ-T3)
AF-1715-0274
Special Training On Radar Bombing Navigation System, AN/APQ-24A
AF-1715-0617

Bonded
Bonded Honeycomb and Structural Sealing (B-52/KC-135)
AF-1704-0025
Repair of Bonded and Brazed Honeycomb Structures (B-58)
AF-1704-0025
Repair of Bonded Honeycomb Structures
AF-1704-0025

BORB-36/47/52
Basic Observer Reconnaissance BORB-36/47/52
AF-1606-0079

Bridge
Crown and Bridge Dental Prosthetics
AF-0701-0011

Broadcast
Broadcast Officer
DD-0505-0002
Broadcast Specialist
DD-0505-0001

Broadcaster
Information Specialist (Broadcaster)
DD-0505-0001

Budget
Budget Officer
AF-1408-0061
Budget Specialist
AF-1408-0017

BUIC
BUIC Computer Programming
AF-1402-0061
BUIC III Air Surveillance for Radar Inputs Countermeasures Officer/Technician
AF-1715-0113
BUIC III Computer Programmer
AF-1402-0052
BUIC III I/O Display Equipment Maintenance
AF-1715-0014
BUIC III Operator
AF-1715-0112
AF-1715-0114
BUIC Systems Computer Programmer
AF-1402-0051
Electronic Computer Repairman BUIC AN/GSA-51A
AF-1715-0677
Electronic Computer Systems Repairman (BUIC AN/GSA-51A)
AF-1715-0447
Electronic Computer Systems Repairman (BUIC AN/GYK-19)
AF-1715-0447
Weapons Controller/Technician, BUIC III
AF-1402-0056

Building
Building Maintenance Mechanic
AF-1710-0010
Building Systems Engineering
AF-1601-0025

Bulgarian
Bulgarian
AF-0602-0007
AF-0602-0011
DD-0602-0001
DD-0602-0002
DD-0602-0003
DD-0602-0006

Burmese
Burmese
AF-0602-0007
AF-0602-0011
DD-0602-0002
DD-0602-0003

Buying
Advanced Systems Buying
AF-1408-0025

C-11
Electronic Instrument Trainer Specialist (C-11 Type)
AF-1715-0653
Instrument Trainer Specialist (C-11)
AF-1715-0653

C-119
Hamilton Standard Propeller, C-119 Installation
AF-1704-0127
Medium Transport (C-119) Aircrew Transition
AF-1606-0044
Medium Transport (C-119) Transition
AF-1606-0044

C-130
Aircraft Mechanic C-130
AF-1704-0055
Aircraft Mechanic, Turbo-Prop Aircraft (C-130 and C-133)

AF-1704-0080

C-130A

Aircraft Electrical Repairman, C-130A AF-1704-0099

Aircraft Hydraulic Repairman, C-130A AF-1704-0100

Aircraft Mechanic C-130A AF-1704-0055

Mechanical Accessories and Equipment Repairman, C-130A AF-1704-0101

C-133

Aircraft Mechanic, Turbo-Prop Aircraft (C-130 and C-133) AF-1704-0080

C-135

B-52, C-135, and KC-135 Fuel System Repairman and Wet Wing Sealing AF-1704-0017

C-141

Advanced Aircraft Loadmaster (C-141) AF-0419-0016

Advanced Flying School Transport Pilot (C-141) AF-1606-0019

Airframe Repair, C-141 AF-1704-0039

C-141 Flight Engineer Technician AF-1704-0031

C-141 Navigator Training AF-1606-0017

C-141 Pilot AF-1606-0019

C-47

Instrument Pilot Training (C-47) AF-1606-0119

Transition Pilot Training (C-47) AF-1606-0029

C-5

Advanced Aircraft Loadmaster (C-5) AF-0419-0015

C-5 Flight Engineer Technician AF-1704-0033

C-5 Navigator AF-1606-0016

C-5 Pilot AF-1606-0023

Flight Engineer School, C-5 AF-1704-0033

C-9

Advanced Flying School (C-9) Tactical Airlift AF-1606-0049

C-9A

C-9A Pilot Basic AF-1606-0049

Cable

Cable and Antenna Installation Specialist AF-1714-0015

Cable Splicer AF-1714-0016

Cable Splicing Specialist AF-1714-0016

Cable Splicing Specialist (General) AF-1714-0016 AF-1714-0017

Cable Splicing Specialist (Hardened Missile Systems) AF-1714-0018

Cable Splicing Specialist/Supervisor (General) AF-1714-0017

Missile System Cable Splicing Specialist AF-1714-0018

CADC

F-111 CADC Test Station Technician AF-1715-0054

FB-111 Central Air Data Computer (CADC) Test Station Technician AF-1715-0092

Cadet

Aviation Cadet Pre-Flight (Pilot) AF-1606-0109

Aviation Cadet Pre-Flight (Pilot and Navigator) AF-1606-0109

Primary-Basic Observer Cadet AF-1606-0034

Caliber

.50 Caliber Machinegun AF-2203-0037

Calibration

Advanced Microwave Measurement and Calibration AF-1715-0181

Advanced Microwave Measurements and Calibration AF-1715-0549

Aircraft Engine Test Stand Calibration AF-1704-0057

Calibration and Maintenance of the Shaw-Estes Test Stand AF-1715-0090

Digital Voltmeter, Theory and Calibration AF-1715-0385

Electronic Test Equipment Calibration and Repair (Tektronix) AF-1715-0096

M37-T1 Test Stand, Maintenance and Calibration AF-1704-0176

Radar Siting, Calibration and Evaluation AF-1715-0281

Cambodian

Cambodian AF-0602-0007 AF-0602-0011

Camera

Camera Repairman AF-1715-0704

Still Photographic Camera Specialist AF-1709-0020

Card

Data Processing Machine Operator (Punched Card) AF-1402-0025 AF-1402-0026

Data Processing Machine Supervisor (Punched Card) AF-1402-0036

Cardiopulmonary

Cardiopulmonary Laboratory Specialist AF-0702-0001

Cardiopulmonary Laboratory Technician AF-0702-0002

Cargo

Advanced Air Transportation Cargo AF-0419-0014

Air Cargo Specialist AF-0419-0007

Air Cargo Specialist (Reserve) AF-0419-0024

Air Transportation of Dangerous Cargo and Nuclear Weapons AF-0419-0017

Transportation of Dangerous Cargo AF-0419-0018

Transportation of Dangerous Cargo, Nuclear Weapons and Missiles AF-0419-0017

Carpentry

Carpentry Specialist AF-1710-0009

Carrier

Carrier Repeater Mechanic AF-1715-0120

Radio Relay Equipment Repairman (Carrier) AF-1715-0120

Radio Relay Equipment Repairman (Carrier and Antrac Equipment) AF-1715-0120

Cartographic

Advanced Photogrammetric Cartographic AF-1709-0013

Advanced Photogrammetric Cartographic Techniques DD-1601-0005

Basic Photogrammetric Cartographic Techniques DD-1601-0001

Cartographic Drafting DD-1713-0002

Cartographic Officer AF-1601-0024

Photogrammetric-Cartographic Technician AF-1709-0013

Cartography

Basic Cartography DD-1601-0011

CBPO

CBPO Systems Management, Phase II AF-1402-0047

C-E

C-E Programming (Staff Officer) AF-1408-0047

Ceilometer

Field and Organizational (F & O) Maintenance AN/GMQ-10A Transmissometer, AN/GMQ-13 Rotating Beam Ceilometer AF-1715-0141

CEM

CEM Materiel Control Procedures (AFCS) AF-1405-0058

Ground C-E-M Maintenance Analysis Technician AF-1113-0001

Central

All-Relay Central Office Equipment Specialist AF-1715-0411

Central Heating Plant Specialist AF-1701-0005

Central Procurement Officer AF-1405-0015 AF-1405-0032

CGM-13B

Missile Combat Crew (CGM-13B, Launch) AF-2203-0023

Missile Electronic Equipment Specialist (CGM-13B, TEMS) AF-1715-0641

Missile Facilities Specialist (CGM-13B, AGE Crew) AF-2203-0005

Missile Guidance and Control Specialist

(CGM-13B, FCC)
AF-1715-0172
Missile Guidance and Control Specialist (CGM-13B, GEMS)
AF-1715-0477
Missile Guidance and Control Specialist (CGM-13B, GSC)
AF-1715-0481
Missile Launch Officer (CGM-13B)
AF-1715-0658
Missile Mechanic (CGM-13B)
AF-1715-0726
Missile Mechanic (CGM-13B, LCH Prep)
AF-1715-0331
Missile Mechanic (CGM-13B, MMC)
AF-1715-0726
Missile Officer (CGM-13B)
AF-2203-0025
Missile Systems Analyst Specialist (CGM-13B, Lch Prep)
AF-1715-0656
Nuclear Weapons Specialist (CGM-13B, LCH Prep)
AF-2203-0047
Tactical Missile Checkout Equipment Repairman (CGM-13B(TEMS))
AF-1715-0641
Tactical Missile Guidance Mechanic (CGM-13B)
AF-1715-0481
Tactical Missile Guidance Mechanic (CGM-13B/GEMS)
AF-1715-0477
Tactical Missile Guidance Mechanic (MACE, CGM-13B/GEMS)
AF-1715-0477
Tactical Missile Launch Specialist (CGM-13B)
AF-1715-0657

CH-3
Helicopter Instructor Pilot (H-1, H-1N, H-1F, CH-3, CH-53, HH-53)
AF-1606-0066
Helicopter Pilot Transition Training (CH-3, H-43, H-1F)
AF-1606-0111

CH-36
Helicopter Pilot Training (CH-36)
AF-1606-0010

CH-3C
Helicopter Mechanic, CH-3C
AF-1704-0117

CH-53
Helicopter Instructor Pilot (H-1, H-1N, H-1F, CH-3, CH-53, HH-53)
AF-1606-0066

Channel
Channel and Technical Control Operator
AF-1714-0002
Channel and Technical Control Operator (Channel Technical Control Center)
AF-1714-0002

Chapel
Chapel Management Specialist
AF-1407-0001
Chapel Management Technician
AF-1408-0046
Chapel Services Supervisor
AF-1408-0046

Chaplain
Advanced Chaplain
AF-1513-0004
Chaplain Orientation
AF-1513-0003
Chaplain Services Specialist
AF-1409-0002
Chaplain Services (Specialist) Supervisor
AF-1408-0031
Senior Chaplain
AF-1513-0002

Charting
Mapping, Charting, and Geodesy Officer
DD-1601-0007

Checkout
Air Launch Missile Checkout Equipment Repairman (AGM-28A/B)
AF-1715-0458
Ballistic Missile Checkout Equipment Specialist (HGM-25A)
AF-1715-0173
Ballistic Missile Checkout Equipment Specialist (SM65D)
AF-1715-0316
Ballistic Missile Checkout Equipment Specialist (SM-65E and F)
AF-1715-0161
Ballistic Missile Checkout Equipment Specialist (SM-68A)
AF-1715-0173
Ballistic Missile Checkout Equipment Specialist (SM-68B)
AF-1715-0160
Ballistic Missile Checkout Equipment Specialist/Technician, SM-68B
AF-1715-0304
Ballistic Missile Checkout Equipment Specialist, WS-133B
AF-1715-0108
Ballistic Missile Checkout Equipment Technician, SM-80
AF-1715-0296
Checkout Sequence Programming Set, AN/GSM-133 (AGM-69A)
AF-1402-0067
Defense Missile Checkout Equipment Technician, IM-99B
AF-1715-0310
GAM Checkout Equipment Repairman (GAM-77)
AF-1715-0458
Missile Test Equipment Technician/Specialist (Programmed Checkout Equipment) (SM-65F)
AF-1715-0661
Tactical Missile Checkout Equipment Repairman (CGM-13B(TEMS))
AF-1715-0641
Tactical Missile Checkout Equipment Repairman (MACE MGM-13C/TEMS)
AF-1715-0641
Tactical Missile Checkout Equipment Repairman (MGM-13B(TEMS))
AF-1715-0646
Tactical Missile Checkout Equipment Repairman (TM/76A/TEMS)
AF-1715-0646
Tactical Missile Checkout Equipment Repairman (TM-76B, TEMS)
AF-1715-0641

CH/HH-3
Helicopter Mechanic, CH/HH-3
AF-1704-0117

Chief
Chief of Supply Management
AF-1405-0040

Chinese
Basic Chinese—Refresher
DD-0602-0011
Chinese—Cantonese
AF-0602-0007
AF-0602-0012
DD-0602-0001
DD-0602-0002
Chinese—Fukienese
DD-0602-0002
Chinese—Mandarin
AF-0602-0007
AF-0602-0012
DD-0602-0001
DD-0602-0002
DD-0602-0003
DD-0602-0005
DD-0602-0006
DD-0602-0007
DD-0602-0009
Chinese—Standard
AF-0602-0013
Chinese—Toishan
DD-0602-0002

Chinese—Cantonese
Chinese—Cantonese
DD-0602-0001
DD-0602-0002

Chinese—Fukienese
Chinese—Fukienese
DD-0602-0002

Chinese—Mandarin
Chinese—Mandarin
DD-0602-0001
DD-0602-0002
DD-0602-0003
DD-0602-0005
DD-0602-0006
DD-0602-0007
DD-0602-0009

Chinese—Toishan
Chinese—Toishan
DD-0602-0002

Chrome
Chrome-Cobalt Dental Prosthetics
AF-0701-0017

CIM-10B
Ground Communication Equipment Repairman, CIM-10B
AF-1715-0153
Ground Communication Equipment Repairman (Light) CIM-10B
AF-1715-0153

Ciphony
Electronic Communications and Cryptographic Systems Equipment Repairman (Ciphony) (Encrypted Tel-Data Fax)
AF-1715-0174

Circuit
Techniques of Circuit Conditioning
AF-1715-0187
Telephone Circuit Analysis
AF-1715-0197

Civil
Base Civil Engineer
AF-1601-0044
Civil Engineer Inspector
AF-1601-0021

Clerk
Administrative Clerk
AF-1403-0001
Disbursing Clerk
AF-1408-0019

Clinical
Clinical Laboratory Officer
AF-0702-0003

Coating
Protective Coating Specialist AF-1710-0013

Cobalt
Chrome-Cobalt Dental Prosthetics AF-0701-0017

COBOL
Advanced COBOL Programming Techniques AF-1402-0049
COBOL Programming AF-1402-0011

Coder
AN/GPA-125 Coder-Decoder, Organizational/Intermediate (O/I) Maintenance AF-1715-0131

Collins
Collins 18S-4 Radio Set AF-1715-0077

Color
Color Photo Processes AF-1709-0009

Combat
Basic Combat Training(Phase I) AF-1728-0017
Combat Crew Training, Fighter (F-84 E/F) AF-1606-0069
Combat Crew Training Fighter (F-84E) Phase II—80 Hour Phase AF-1606-0070
Combat Crew Training Fighter (F-84F) AF-1606-0069
Combat Crew Training Fighter (T-33/F-84) AF-1606-0070
Combat Patrol Dog AF-1728-0022
Combat Security Police AF-1728-0017
Combat Still Photographer, Operator AF-1709-0002
Missile Combat Crew (CGM-13B, Launch) AF-2203-0023
Security Police Combat Preparedness AF-1728-0003
Security Police Officer Combat Preparedness AF-1728-0012
Specialized Combat Training (Phase II) AF-1728-0017
Telephone Switching Equipment Specialist (Combat Operations Support) AF-1715-0713
USAF Combat Flying School, Interceptor (F-94C)—Pilot AF-1606-0082
USAF Combat Flying School, Interceptor (F-94C)—Radar Observer AF-1606-0083
USAF Combat Flying School, Interceptor (T-33/F-89D)—Pilot AF-1606-0071
USAF Combat Flying School, Interceptor (T-33/F-89D)—Radar Observer AF-1606-0072
USAF Combat Flying School, Interceptor (T-33/F-94C)—Pilot AF-1606-0073
USAF Combat Flying School, Interceptor (T-33/F-94C)—Radar Observer AF-1606-0074
USAF Combat Flying School, Light Bomb Jet (B-57)—Observer AF-1606-0121
USAF Combat Flying School, Light Bomb Jet (B-57)—Pilot AF-1606-0120
USAF Combat Survival Training AF-0803-0003

Combative
Combative Measures Instructor Training AF-0803-0001

COMLOGNET
Ballistic Missile Inventory Management and COMLOGNET Procedures AF-1405-0022

Command
Airborne Command Post Communications Equipment (CE) Repairman AF-1715-0709
Air Command and Staff College AF-1511-0001
Air Command and Staff Correspondence Program AF-1511-0003
Air Command and Staff Nonresident Seminar Program AF-1511-0002
Air Force Integrated Command and Control System Computer Programmer AF-1402-0034
Command and Control DD-1402-0001
Command and Control Systems Computer Programmer AF-1402-0058
Command and Staff College AF-1511-0001
Command and Staff Course AF-1511-0001
Command and Staff School AF-1511-0001
Command Oriented Radar Prediction AF-2203-0002
Major Command (MAJCOM) Manpower Procedures AF-1406-0032

Commissary
Commissary NCO AF-0406-0001
Commissary NCOIC AF-0406-0001
Commissary Officer AF-0406-0001
Commissary Operations AF-0406-0001

Communication
Integrated Avionics Component Specialists (Communication/Mission and Traffic Control and Penetration Aids) AF-1715-0609

Communications
486L Wideband Communications Organizational/Intermediate (O/I) Maintenance AF-1715-0387
Airborne Command Post Communications Equipment (CE) Repairman AF-1715-0709
Aircraft Radio Repairman (Communications) AF-1715-0065
AN/TSC-60 Communications Central O/I (407L) AF-1715-0188
Avionic Communications Specialist AF-1715-0492
Communications and Relay Center Equipment Repairman, Electromechanical AF-1715-0132
Communications and Relay Center Equipment Repairman, Electro-Mechanical Cryptographic AF-1715-0159
Communications and Relay Center Equipment Repairman, Electro-Mechanical (Other) AF-1715-0159
Communications and Relay Center Equipment Repairman Electro-Mechanical (TSEC/KW-9) AF-1715-0123
Communications and Relay Center Equipment Repairman TSEC/KW-9 AF-1715-0123
Communications Center Specialist AF-1409-0004
Communications-Electronics Engineer AF-1715-0260
Communications-Electronics Officer AF-1408-0048
Communications-Electronics Programming (Staff Officer) AF-1408-0047
Communications-Electronics Programs Management AF-1408-0050
Communications-Electronics Staff Officer AF-1408-0048
Communications/Electronics Systems Staff Officer AF-1715-0550
Communications-Electronics Systems Superintendent AF-1715-0170
Communications Machine Repairman AF-1715-0159
Communications Maintenance Officer AF-1715-0474
Communications Officer AF-1715-0474
Communications Systems Officer AF-1715-0076
Electronic Communications and Cryptographic Equipment Systems Repairman AF-1715-0174
Electronic Communications and Cryptographic Equipment Systems Repairman (Encrypted Digital Data Terminals)(EDDT) AF-1715-0351
Electronic Communications and Cryptographic Systems Equipment Repairman (Automatic Teletype) AF-1715-0102
Electronic Communications and Cryptographic Systems Equipment Repairman (Ciphony) (Encrypted Tel-Data Fax) AF-1715-0174
Electronic Communications and Cryptographic Systems Equipment Repairman (Encrypted Teletype) AF-1715-0174
Electronic Communications Cryptographic Repairman/Encrypted

Digital Data Terminals (Preparatory)
AF-1715-0221
F-111 Communications Guidance Test Stations Technician
AF-1715-0098
Ground Communications Equipment Maintenance Technicial (Light)
AF-1715-0230
Ground Communications Equipment Maintenance Technician (Heavy)
AF-1715-0239
Ground Communications Equipment Maintenance Technician (Light)
AF-1715-0230
Ground Communications Equipment (Relay Center)
AF-1715-0552
Ground Communications Equipment Repairman, FPTS (Heavy)
AF-1715-0585
Ground Communications Equipment Repairman (Heavy)
AF-1715-0525
Ground Communications Equipment Repairman(Heavy)(FPTS)
AF-1715-0079
Ground Communications Equipment Repairman (Heavy) Receivers
AF-1715-0499
Ground Communications Equipment Repairman (Heavy) Transmitters
AF-1715-0530
Ground Communications Equipment Repairman (HF)
AF-1715-0524
Ground Communications Equipment Repairman (Light)
AF-1715-0696
Ground Communications Equipment Repairman (VHF-UHF)
AF-1715-0498
Ground Communications Equipment Technician (Light)
AF-1715-0230
Ground Communications Equipment Technician (Light)(TDDL Equipment)
AF-1715-0561
Ground Communications Equipment Technician (TDDL)
AF-1715-0561
Ground Communications Repairman (Heavy)(SSB)
AF-1715-0240
Ground Radio Communications Equipment Repairman
AF-1715-0534
Ground Radio Communications Equipment Repairman (AN/FLR-9(V))
AF-1715-0346
Ground Radio Communications Equipment Repairman (AN/FRT-49, AN/GKA-5)
AF-1715-0738
Ground Radio Communications Equipment Repairman (Long Haul Communications G/A and P/P)
AF-1715-0240
Ground Radio Communications Equipment Repairman (SLFCS)
AF-1715-0049
Ground Radio Communications Equipment Repairman (Titan II)
AF-1715-0491
Ground Radio Communications Equipment Repairman, WS-133A
AF-1715-0245
Ground Radio Communications Equipment Repairman, WS-133A/A-M
AF-1715-0245
Ground Radio Communications Equipment Repairman (WS-133A/B)
AF-1715-0358
AF-1715-0495
Ground Radio Communications Equipment Repairman WS-133B
AF-1715-0248
Ground Radio Communications Equipment Technician
AF-1715-0088
Ground Radio Communications Equipment Technician (AN/GRC-137)
AF-1715-0238
Ground Radio Communications Technician (KWT-6 SSB)
AF-1715-0243
Ground Radio Maintenance Technician Fixed Stations, Communications Systems
AF-1715-0222
Ground Radio Maintenance Technician, Navigational Aids, Communications Systems
AF-1715-0285
Missile Control Communications Systems Repairman
AF-1715-0713
Simplex Remote Communications Central/Subscriber C Equipment Repairman (SACCS)
AF-1715-0395
Space Communications Systems Equipment Operator/Specialist
AF-1715-0480
Specialized Communications and Electronics (C & E) Training
AF-1715-0198
Store and Forward Communications System Computer Programmer
AF-1402-0018
AF-1402-0057
Titan II Communications Equipment (Field and Organizational)
AF-1715-0516

Compass
Automatic Astro Compass TYPE MD-1 (Field and Organizational (F & 0))
AF-1715-0606
B52H, A-14 Autopilot, AN/AJN-8 HVRS and MD-1 Astro Compass
AF-1721-0003
Compass Link Maintenance
AF-1715-0277
E-6 Autopilot and N-1 Compass
AF-1715-0626
MC-1 Autopilot and N-1 Compass (KC-135)
AF-1715-0627
Operation and Maintenance of MD-1 Astro Compass Test Equipment
AF-1715-0089

Compasses
A-14 Autopilot and N-1, MD-1 Compasses
AF-1715-0630
N-1 and MD-1 Compasses, AN/AJA-1 Computer and A-14 Autopilot
AF-1715-0624

Compatibility
Electromagnetic Compatibility
AF-1715-0739

Compilation
Map Compilation
DD-1713-0001
Photogrammetric Compilation
DD-1601-0009

Compression
Compression Chamber Team Training
AF-0799-0007

Compressor
Joy Helium Compressor Field and Organizational (F & O)
AF-1601-0029

Comptroller
Professional Military Comptroller
AF-1408-0004

Computer
Accounting and Finance Applications of Base Supply Computer (UNIVAC 1050 II)
AF-1401-0016
Air Force Integrated Command and Control System Computer Programmer
AF-1402-0034
AN/ASN-7 Automatic Navigational Computer
AF-1715-0015
B 263 Computer Programming and Operation
AF-1402-0015
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Computer)
AF-1715-0225
Bomb Navigation Systems Technician (K-Series Computer)
AF-1715-0225
Bomb Navigation Systems Technician (MA-6A and MA-7A Computer and Stab and Optics)
AF-1715-0225
Bomb Navigation Systems Technician (MA-6A, MA-7A Computer)
AF-1715-0225
BUIC Computer Programming
AF-1402-0061
BUIC III Computer Programmer
AF-1402-0052
BUIC Systems Computer Programmer
AF-1402-0051
Command and Control Systems Computer Programmer
AF-1402-0058
Computer Maintenance Officer
AF-1402-0031
AF-1715-0722
Computer Operation
AF-1402-0015
Computer Operator
AF-1402-0019
Computer Orientation for Intermediate Executives
DD-1402-0003
Computer Principles
AF-1402-0014
Computer Programming
AF-1402-0008
Computer Systems Analysis and Design (Enlisted)
AF-1402-0040
Computer Systems Analyst
AF-1402-0003
Computer Systems Operations Officer
AF-1402-0046
Computer Systems Programming Officer
AF-1402-0035
AF-1402-0048
Computer Systems Programming Officer, SAGE

AF-1402-0032
Digital Computer Principles AF-1402-0062
Electric Digital Computer Repairman (SAGE AN/FSQ-7) AF-1715-0058
Electronic Computer Maintenance Officer AF-1715-0722
Electronic Computer Principles, FYQ-47 Preparatory (Radar Principles) AF-1715-0030
Electronic Computer Repairman (AN/FSA-21/412L) AF-1715-0016
Electronic Computer Repairman BUIC AN/GSA-51A AF-1715-0677
Electronic Computer Repairman (Display Equipment/412L) AF-1715-0059
Electronic Computer Repairman (DPC/465L) AF-1715-0057
Electronic Computer Repairman (DPC/SACCS) AF-1715-0057
Electronic Computer Repairman (EDTCC/465L) AF-1715-0063
Electronic Computer Repairman (SAGE AN/FSQ-7) AF-1715-0058
Electronic Computer Systems Repairman (AN/FST-2B) AF-1715-0018
Electronic Computer Systems Repairman (BUIC AN/GSA-51A) AF-1715-0447
Electronic Computer Systems Repairman (BUIC AN/GYK-19) AF-1715-0447
Electronic Computer Systems Repairman (Data Processing Equipment/412L) AF-1715-0386
Electronic Computer Systems Repairman (Display Equipment/412L) AF-1715-0448
Electronic Computer Systems Repairman (DPC/SACCS) AF-1715-0057
Electronic Computer Systems Repairman (EDTCC/SACCS) AF-1715-0598
Electronic Computer Systems Repairman (FSQ-7/SAGE) AF-1715-0058
Electronic Computer Systems Repairman (RCC-EDLCC/465L) AF-1715-0443
Electronic Computer Systems Repairman (Weapons Control Computer Group, AN/FSA-21/412L) AF-1715-0034
Electronic Computer Systems Supervisor/Technician AF-1402-0050
Electronic Digital Computer Repairman (AN/FSA-21/412L) AF-1715-0016
Electronic Digital Computer Repairman (Display Equip/465L) AF-1402-0023
Electronic Digital Computer Repairman (Display Equipment/412L) AF-1715-0059
Electronic Digital Data Processing Equipment Repairman (Ballistic Missile Guidance Computer) (SM-65D) AF-1715-0701
Electronic Digital Data Processing Equipment Repairman, Central-Computer (416L-AN/FSQ-7) AF-1715-0348
F-111A Computer/Navigation Test Station Technician AF-1402-0024
FB-111 Central Air Data Computer (CADC) Test Station Technician AF-1715-0092
Field and Organizational Maintenance of Automatic Navigation Computer (AN/ASN-7) AF-1715-0015
F-III Computer/Programmer Test Stations Technician AF-1715-0203
Guidance Control Officer (Computer)(SM-68) AF-1715-0037
HM4118 Computer Display Equipment (407L) AF-1715-0052
HM4118 Computer Programmer Tactical and Control System AF-1402-0033
HM4118 Electronic Computer Repairman/Operator/407L AF-1715-0392
Introduction to Computer Technology DD-1402-0002
K-Series Computer Technician AF-1715-0225
MA-2/ASB-4 Bomb Navigation Systems (Radar and Computer Technician) AF-1715-0286
N-1 and MD-1 Compasses, AN/AJA-1 Computer and A-14 Autopilot AF-1715-0624
NCMC Computer Programmer AF-1402-0009
SAGE Computer Programmer AF-1402-0030
Special Training on SHORAN Equipment AN/APN-84 and Electronic Bombing Computer K-4 AF-1715-0403
Store and Forward Communications System Computer Programmer AF-1402-0018 AF-1402-0057
Supply Computer System Specialist AF-1402-0005
Weapons Control Systems Mechanic (MG-13 Computer and Controls) AF-1715-0270
Weapons Control Systems Mechanic (MG-3, MG-10 Computer Controls) AF-1715-0271
Weapons Control Systems Mechanic (MG-3, MG-10, MG-13 Computer and Controls) AF-1715-0269
Weapons Control Systems Mechanic (MG-3, MG-10, MG-13 Computer Controls) AF-1715-0272
Weapons Control Systems Technician (MG-13 Computer-Controls) AF-1715-0355
Weapon Support Systems Computer Programmer AF-1402-0058

Computer Controls
Weapons Control Systems Technician (MG-3, MG-10 Computer Controls) AF-1715-0558

Computing
Geodetic Computing DD-1601-0006

Conditioning
Air Conditioning Engineering AF-1701-0001
Aircraft Reciprocating Engine Conditioning AF-1704-0071
Reciprocating Engine Conditioning With Analyzers (R2800 and Smaller) AF-1704-0071
Reciprocating Engine Conditioning With Analyzers (R3350) AF-1704-0071
Reciprocating Engine Conditioning With Analyzers (R4360) AF-1704-0071
Refrigeration and Air Conditioning AF-1730-0004
Refrigeration and Air Conditioning Control (Minn-Honeywell) AF-1730-0006
Refrigeration and Air Conditioning Controls (Johnson) AF-1730-0005
Refrigeration and Air Conditioning Specialist AF-1730-0010
Refrigeration Specialist (Refrigeration and Air Conditioning) AF-1730-0010
Techniques of Circuit Conditioning AF-1715-0187

Consolidated
Consolidated Maintenance Management (ADC) AF-1717-0011
Consolidated Maintenance Management (TAC) AF-1717-0010

Construction
Construction Drafting DD-1713-0003
Construction Equipment Operator AF-1710-0008
Construction Surveying DD-1601-0008

Contract
Advanced Contract Administration AF-1408-0039
Contract Administration AF-0326-0003 AF-1408-0033
Contract Law AF-1408-0042
Contract Management AF-1408-0037
Contract Management Officer AF-1408-0051 AF-1408-0052
Defense Contract Pricing Techniques AF-1408-0003
Program Management for Contract Administration DD-1408-0004

Contracting
Purchasing and Contracting Officer AF-1405-0048

Control
Advanced Air Traffic Control Officer AF-1704-0010
Aerospace Control and Warning System Operator (Manual) AF-1715-0623
Aerospace Control and Warning Systems Operator AF-1715-0622
Aircraft Control and Warning (AC & W) Radar Repairman (AN/GLR-1/FLR-12) AF-1715-0234
Aircraft Control and Warning Operator AF-1715-0352
Aircraft Control and Warning Operator (Manual) AF-1715-0352
Aircraft Control and Warning Operator (SAGE) AF-1715-0209
Aircraft Control and Warning Operator (Semi-Automatic/412L) AF-1704-0170
Aircraft Control and Warning Radar Maintenance Technician AF-1715-0064
Aircraft Control and Warning Radar Repairman AF-1715-0687
Aircraft Control and Warning Radar Repairman (AN/CPS-1, AN/CPS-4, AN/CPS-5 and IFF) AF-1715-0104
Aircraft Control and Warning Radar Repairman (AN/CPS-6B and AN/FPS-6) AF-1715-0023
Aircraft Control and Warning Radar Repairman (AN/CPS-6B and IFF) AF-1715-0023
Aircraft Control and Warning Radar Repairman (AN/FPS-18, AN/FST-1, AN-FSA-10, AN/FSW-1) AF-1715-0060
Aircraft Control and Warning Radar Repairman (AN/FPS-20 and AN/FPS-6) AF-1715-0115
Aircraft Control and Warning Radar Repairman (AN/FPS-3, AN/FPS-6) AF-1715-0103
Aircraft Control and Warning Radar Repairman (AN/FPS-3, AN/FPS-6 and IFF) AF-1715-0103
Aircraft Control and Warning Radar Repairman (AN/FPS-8 and AN/FPS-4) AF-1715-0105
Aircraft Control and Warning Radar Repairman, AN/FPS-8, AN/FPS-4 AF-1715-0020
Aircraft Control and Warning Radar Repairman, AN/FPS-8, AN/FPS-4, and IFF AF-1715-0020
Aircraft Control and Warning Radar Repairman, AN/FST-2 AF-1715-0111
Aircraft Control and Warning Radar Repairman (AN/GPA-37) AF-1715-0056
Aircraft Control and Warning Radar Repairman (AN/TPS-1D, AN/TPS-10D) AF-1715-0118
Aircraft Control and Warning Radar Repairman (AN/TPS-1D, AN/TPS-10D and IFF) AF-1715-0118
Aircraft Control and Warning Radar Technician AF-1715-0064
Air Force Integrated Command and Control System Computer Programmer AF-1402-0034
Air Route Traffic Control and Approach Control Operator AF-1704-0008
Air Traffic Control Officer AF-1704-0002
Air Traffic Control Officer Procedures AF-1704-0003
Air Traffic Control Operator AF-1704-0005
Air Traffic Control Operator (Non-Radar) AF-1704-0011
Air Traffic Control Operator (Radar) AF-1704-0106
Air Traffic Control Operator (Radar) (Army) AF-1704-0107
Air Traffic Control Radar Maintenance Technician AF-1715-0397
Air Traffic Control Radar Repairman AF-1715-0488
Air Traffic Control Radar Repairman, AN/CPN-18, AN/FPN-16 AF-1715-0676
Air Traffic Control Radar Repairman AN/CPN-4 AF-1715-0422
Air Traffic Control Radar Repairman (AN/FPN-16 and AN/CPN-18) AF-1715-0676
Air Traffic Control Radar Repairman (AN/MPN-1) AF-1715-0488
Air Traffic Control Radar Repairman (AN/TPN-12) AF-1715-0737
Air Traffic Control Radar Technician AF-1715-0397
Air Traffic Control Technician AF-1704-0004
Apprentice Air Traffic Control Operator AF-1704-0008
Automatic Flight Control System Specialist AF-1715-0460
Channel and Technical Control Operator AF-1714-0002
Channel and Technical Control Operator (Channel Technical Control Center) AF-1714-0002
Command and Control DD-1402-0001
Command and Control Systems Computer Programmer AF-1402-0058
Control Mechanic/Technician, GAM-77 AF-1715-0148
Control Room Instrumentation, Jet Engine Test Facility AF-1715-0097
Control System Mechanic/Technician, SM-68 AF-1715-0135
Control Systems Analyst (GAM-72) AF-1715-0320
Control Systems Analyst (GAM-77) AF-1715-0583
Control Systems Mechanic, GAM-72 AF-1715-0318
Control Systems Mechanic, IM-99A AF-1715-0144
Control Systems Mechanic, IM-99B AF-1715-0145
Control Systems Mechanic (SM-65, 68) AF-1715-0506
Control Systems Mechanic/Technician, GAM-77 AF-1715-0148
Control Systems Mechanic (TM-61C) AF-1715-0292
Control Systems Mechanic (TM-76A/B) AF-1715-0162
Control System Technician/Mechanic (SM-65F) AF-1715-0094
Control Tower Operator AF-1704-0007
Control Tower Technician AF-1704-0007
Corrosion Control AF-1710-0012
Corrosion Control Specialist AF-1710-0011
Defense Missile Control Mechanic/Technician, IM-99B AF-1715-0643
Disaster Control Instructor AF-0802-0001
Disaster Control Officer AF-0802-0017
Disaster Control Specialist AF-0802-0001
AF-0802-0002
F/FB-111 Mission and Traffic Control Test Station Technician AF-1715-0373
GAM Control Mechanic, GAM-77 AF-1715-0146
Guidance and Control Officer (RIGS) (HGM-25A) AF-1715-0672
Guidance and Control Officer (RIGS) (SM-68A) AF-1715-0672
Guidance Control Officer (Computer)(SM-68) AF-1715-0037
Guidance Control Officer (RIGS) (SM-68) AF-1715-0672
Guidance Control Officer (SM-65) AF-1715-0645
HM4118 Computer Programmer Tactical and Control System AF-1402-0033
J-79 Engine, F & O Maintenance and Control System (F-104) AF-1704-0087
J-79 Engine, Organizational Maintenance and Control System, F-104 AF-1704-0085
Missile Control Communications Systems Repairman AF-1715-0713
Missile Guidance and Control Specialist (AGM/AIM)TAC AF-1715-0712
Missile Guidance and Control Specialist (AIM) (ADC) AF-1715-0671
Missile Guidance and Control Specialist (LGM-25) AF-1715-0137
Missile Guidance and Control Speicalist (AIM)

AF-1715-0671
Pilotless Aircraft Control Systems Mechanic AF-1715-0247
Pilotless Aircraft Guidance and Control Officer AF-1715-0648
Production Control AF-1601-0001
Programs and Work Control Technician (BEAMS) AF-1408-0045
SAGE Maintenance Control Technician AF-1402-0063
Scope Control System Field/Organizational (F/O) Maintenance AF-1715-0126
Scope Control System Organizational/Intermediate (O/I) Maintenance AF-1715-0126
Sensitometric and Densitometric Control Techniques AF-1709-0007
Stock Control Technician AF-1405-0005
Tactical Missile Control Mechanic (TM-76A/B) AF-1715-0162
Telecommunications Systems Control Specialist/Attendant AF-1715-0047
Teletype Adapter Module/Common Control Unit Maintenance AF-1715-0393
Work Control Specialist AF-1408-0035
Workload Control AF-1408-0036

Controllers
Aircraft Controllers AF-1704-0009

Controls
Controls System Analyst (TM-76A) AF-1715-0180
Controls Systems Mechanic AF-1715-0293
F-111A Radar and Controls Test Stations Technician AF-1715-0250
F-111 Indicator and Controls Test Stations Technician AF-1715-0183

Conventional
Conventional Munitions Quality Assurance AF-0802-0006
Conventional Weapons Application AF-2203-0046
Fuels Officer (Conventional Fuels) AF-1601-0043
Fuel Specialist (Conventional Fuels) AF-1601-0035
Fuel Supply Specialist Conventional Fuel AF-1601-0035
Liquid Fuel Systems Maintenance Specialist (Conventional Fuel) AF-1601-0006
Liquid Fuel Systems Maintenance Technician (Conventional Fuel) AF-1601-0011

Cook
Cook AF-1729-0002

Cooking
Cooking AF-1729-0002

Cooling
Equipment Cooling Specialist AF-1730-0002
Equipment Cooling Specialist/Technician, SM-68B AF-1730-0001

Co-Pilot
Medium Bombardment Conventional, B-29 Four-Engine Transition (Aircraft Commander and Co-Pilot) AF-1606-0041

Correspondence
Air Command and Staff Correspondence Program AF-1511-0003
Air War College Correspondence Program AF-1511-0005
National Security Management (Correspondence Course of the Industrial College of the Armed Forces) DD-1511-0001

Corrosion
Aircraft Corrosion Control AF-1704-0060
Corrosion Control AF-1710-0012
Corrosion Control Specialist AF-1710-0011

Cost
Advanced Cost and Economic Analysis AF-1408-0016
Advanced Quantitative Methods in Cost Analysis AF-1115-0004
Basic Quantitative Methods in Cost Analysis AF-1115-0005
Defense Cost Price Analysis AF-1408-0001
Quantitative Methods in Cost Analysis AF-1115-0004
Real Estate and Cost Management Analysis Specialist AF-0331-0001
Real Estate—Cost-Management Analysis Specialist AF-0331-0001

Counseling
Drug Education and Counseling AF-1512-0003

Counter-Countermeasures
Electronic Counter-Countermeasures Operator AF-1715-0587

Counterintelligence
Reserve Special Investigations and Counterintelligence Training (Reserve Refresher) AF-1728-0005
Special Investigations and Counterintelligence Officer AF-1728-0020
Special Investigations and Counterintelligence Specialist AF-1728-0020

Countermeasures
Airborne Electronic Countermeasures Specialist AF-1715-0382
Aircraft Electronic Countermeasures (ECM) Repairman (Ground Equipment) AF-1715-0684
Aircraft Electronic Countermeasures Repairman (Jamming Equipment) AF-1715-0224
Aircraft Electronic Countermeasures Repairman (Surveillance Equipment) AF-1715-0223
Aircraft Electronic Countermeasures Repairmen(Jamming Equipment) AF-1715-0224
Basic Observer Electronic Countermeasures AF-1715-0564
BUIC III Air Surveillance for Radar Inputs Countermeasures Officer/Technician AF-1715-0113
Electronic Counter-Countermeasures Operator AF-1715-0587
Electronic Countermeasures Maintenance Technician AF-1715-0324
Electronic Countermeasures Officer AF-1715-0449
Electronic Warfare Countermeasures Specialist AF-1715-0202 AF-1715-0587
Weapons Controller (ECCM Operations Officer)/Electronic Warfare Countermeasures Specialist AF-1715-0721

Crash
O-10 and O-11A Crash Fire Trucks, Field Maintenance AF-1728-0024
O-11A and O-11B Crash Fire Truck Field Maintenance AF-1728-0025
O-11A, O-11B and O-6 Crash Fire Truck Maintenance AF-1703-0003
O-6 and R-2 Crash Rescue Trucks, Field and Organizational Maintenance AF-1728-0024
Special Vehicle Repairman (Crash/Fire Vehicles) AF-1703-0016

Crew
Combat Crew Training, Fighter (F-84 E/F) AF-1606-0069
Combat Crew Training Fighter (F-84E) Phase II—80 Hour Phase AF-1606-0070
Combat Crew Training Fighter (F-84F) AF-1606-0069
Combat Crew Training Fighter (T-33/F-84) AF-1606-0070
Master Crew Chief AF-1704-0070
Missile Combat Crew (CGM-13B, Launch) AF-2203-0023

CRI
Criterion Referenced Instruction (CRI) Workshop AF-1406-0009

Criterion
Criterion Referenced Instruction (CRI) Workshop AF-1406-0009

Crown
Crown and Bridge Dental Prosthetics

AF-0701-0011
Crown and Fixed Partial Denture Prosthetics
AF-0701-0011

Cryogenic
Cryogenic Fluids Production Specialist
AF-1601-0016
AF-1601-0017
AF-1730-0013
Cryogenic Fluids Production Specialist (1 1/2 Ton/Day and 5 Ton/Day Plants)
AF-1601-0012
Cryogenic Fluids Production Specialist (1 1/2 Ton/Day Plant)
AF-1601-0012
Cryogenic Fluids Production Specialist (25-Ton Plant)
AF-1601-0004
AF-1601-0036
Cryogenic Fluids Production Specialist Technician (25 Ton)
AF-1601-0009
AF-1601-0018
Field Analysis of Cryogenic Liquids and Gases
AF-1601-0020

Crypto
Intermediate and Organizational Maintenance, TSEC/HY-2, SEBIT-24 Modem, Crypto Control Unit, and Digital Subset
AF-1715-0074

Cryptographic
Communications and Relay Center Equipment Repairman, Electro-Mechanical Cryptographic
AF-1715-0159
Cryptographic Equipment Electromechanical Repairman (other)
AF-1715-0438
Cryptographic Equipment Maintenance TSEC/KW-26
AF-1715-0439
Cryptographic Equipment Repairman, Electromechanical
AF-1715-0438
Cryptographic Operator
AF-1404-0003
Electronic Communications and Cryptographic Equipment Systems Repairman
AF-1715-0174
Electronic Communications and Cryptographic Equipment Systems Repairman (Encrypted Digital Data Terminals)(EDDT)
AF-1715-0351
Electronic Communications and Cryptographic Systems Equipment Repairman (Automatic Teletype)
AF-1715-0102
Electronic Communications and Cryptographic Systems Equipment Repairman (Ciphony) (Encrypted Tel-Data Fax)
AF-1715-0174
Electronic Communications and Cryptographic Systems Equipment Repairman (Encrypted Teletype)
AF-1715-0174
Electronic Communications Cryptographic Repairman/Encrypted Digital Data Terminals (Preparatory)
AF-1715-0221
TSEC/KW-22 Cryptographic Equipment Maintenance
AF-1715-0255

Cryptologic
National Cryptologic School Resident Language Courses
DD-0602-0011

CTT
Missile Maintenance Officer (CTT) WS-133A-M Integrated
AF-1715-0633

Czech
Czech
AF-0602-0007
AF-0602-0011
DD-0602-0001
DD-0602-0002
DD-0602-0003
DD-0602-0006

Dangerous
Air Transportation of Dangerous Cargo and Nuclear Weapons
AF-0419-0017
Transportation of Dangerous Cargo
AF-0419-0018
Transportation of Dangerous Cargo, Nuclear Weapons and Missiles
AF-0419-0017
Transportation of Dangerous Materials (Reserve)
AF-0419-0013

Danish
Danish
AF-0602-0004
AF-0602-0009
DD-0602-0001
DD-0602-0002

Dari
Dari—Afghan Persian
AF-0602-0007
AF-0602-0012

Data
Advanced Data Automation Analysis and Design
AF-1402-0053
Aircraft Radio Repairman (Data Link Supplement)
AF-1715-0185
Base Level Military Personnel System (BLMPS)/Personnel Data System (PDS) Work Center Operations, Phase II
AF-1402-0060
Data Automation Officer
AF-1402-0046
Data Processor/Display (AN/FYQ-9), Field/Organizational (F/O) Maintenance
AF-1715-0276
Data Services Specialist
AF-1115-0006
Defense Data Management
AF-1405-0002
Electronic Data Processing Officer
AF-1402-0046
Electronic Digital Data Processing Equipment Maintenance Technician (AN/FSQ-7 Systems Technician)
AF-1715-0266
FB-111 Central Air Data Computer (CADC) Test Station Technician
AF-1715-0092
Fire Control Systems Mechanic (MG-10 Series Data Flow Specialist)
AF-1715-0708
Integrated Avionics Component Specialist (Navigation/Flight and Weapons Control, and Flight Data Recorder Systems)
AF-1715-0476
Personnel Management and Data Systems
AF-1408-0030
Squadron Operations Center and Data Handling Equipment Repairman
AF-1715-0339
Weapons Control Systems Mechanic (MG-13 Data Flow)
AF-1715-0574
Weapons Control Systems Mechanic (MG-3, 10, 13 Data Flow)
AF-1715-0546
Weapons Control Systems Mechanic (MG-3/10 Data Flow)
AF-1715-0546
Weapons Control Systems Mechanic (MG-3, MG-10 Data Flow)
AF-1715-0574
Weapons Control Systems Mechanic (MG-3, MG-10, MG-13 Data Flow)
AF-1715-0546
Weapons Control Systems Technician (MG-13 Data Flow)
AF-1715-0699
Weapons Control Systems Technician (MG-3, MG-10 Data Flow)
AF-1715-0595

Data Processing
Advanced Data Processing Audit Analysis
AF-1402-0041
Auditing Data Processing Systems
AF-1402-0042
Data Processing Machine Operator
AF-1402-0019
Data Processing Machine Operator (Punched Card)
AF-1402-0025
AF-1402-0026
Data Processing Machine Supervisor
AF-1402-0036
Data Processing Machine Supervisor (Punched Card)
AF-1402-0036
Data Processing (SAGE)
AF-1402-0006
AF-1402-0016
Electronic Analog Data Processing Equipment Repairman
AF-1715-0061
Electronic Computer Systems Repairman (Data Processing Equipment/412L)
AF-1715-0386
Electronic Data Processing Officer
AF-1402-0046
Electronic Digital Data Processing Equipment Maintenance Technician (AN/FSQ-7 Systems Technician)
AF-1715-0266
Electronic Digital Data Processing Equipment Repairman
AF-1715-0018
Electronic Digital Data Processing Equipment Repairman (Ballistic Missile Guidance Computer) (SM-65D)
AF-1715-0701
Electronic Digital Data Processing Equipment Repairman, Central-Computer (416L-AN/FSQ-7)
AF-1715-0348
Electronic Digital Data Processing Equipment Repairman (Data Transmission)
AF-1715-0018

Electronic Digital Data Processing Repairman (AN/FST-2B) AF-1715-0018
Electronic Digital Data Processing Repairman (Data Processing Equipment/412L) AF-1715-0110
Electronic Digital Data Processing Repairman (Display Equipment/SACCS) AF-1715-0441
Electronic Digital Data Processing Repairman (Input-Output/465L Concentrator) AF-1715-0109
Electronic Digital Data Processing Repairman (Input-Output/465L RCC Ancillary) AF-1715-0446
Electronic Digital Data Processing Repairman (RCC-EDLCC/SACCS) AF-1715-0443
Electronic Digital Data Processing Specialist/Technician AF-1715-0349
Management/Supervision of a Data Processing Installation (DPI) AF-1402-0038

Data Systems
Data Systems Analysis and Design (Enlisted) AF-1402-0040
Data Systems Analysis and Design (Officer) AF-1402-0039
Data Systems and Statistics Officer AF-1402-0001
Personnel Management and Data Systems AF-1408-0030

Decibel
Decibel Radar Target Prediction and Simulation AF-1715-0280

Decoder
AN/GPA-125 Coder-Decoder, Organizational/Intermediate (O/I) Maintenance AF-1715-0131

Defense
Air Defense Artillery Director (SAGE) AF-1715-0288
Assistant Air Defense Artillery Director (SAGE) AF-1715-0289
B-58 Bomber Defense Officer AF-1715-0553
Defense Advance Procurement Pricing AF-1408-0008
Defense Cost Price Analysis AF-1408-0001
Defense Data Management AF-1405-0002
Defense Equal Opportunity Management Institute DD-1512-0001
Defense Intelligence Course DD-1511-0004
Defense Language Institute Advanced Courses DD-0602-0007
Defense Language Institute Aural Comprehension Courses DD-0602-0003
Defense Language Institute Basic Courses (1954–1956) DD-0602-0001
Defense Language Institute Basic Courses (After 1956) DD-0602-0002
Defense Language Institute Courses—East Coast Branch DD-0602-0009
Defense Language Institute Extended or Basic-Intermediate Courses DD-0602-0005
Defense Language Institute Intermediate Courses DD-0602-0006
Defense Language Institute Short Basic Courses DD-0602-0004
Defense Language Institute Special Courses DD-0602-0008
Defense Language Institute Support Command Courses DD-0602-0010
Defense Missile Checkout Equipment Technician, IM-99B AF-1715-0310
Defense Missile Control Mechanic/Technician, IM-99B AF-1715-0643
Defense Missile Guidance Mechanic—Falcon (AIM) AF-1715-0635
Defense Missile Guidance Mechanic (GAR) AF-1715-0139
Defense Missile Guidance Mechanic (GARS) AF-1715-0635
Defense Missile Guidance Mechanic, IM-99A AF-1715-0309
Defense Missile Guidance Mechanic, IM-99B AF-1715-0308
Defense Missile Guidance Mechanic/Technician, IM-99B AF-1715-0314
Defense Missile Guidance Technician (GAR-1/2/11) AF-1715-0650
Defense Race Relations Institute DD-1512-0001
Defense Security Assistance Management Core DD-1408-0001
Defense Security Assistance Management Overseas DD-0327-0001
Defense Weapons Systems Management AF-1408-0011
Inter-American Defense College DD-1511-0005
Passive Defense Instructor AF-0802-0004

Defensive
Defensive Systems Trainer Specialist, AN/GPQ-T6 AF-1715-0138
Defensive System Trainer Specialist (AN/ALQ-T4(V)) AF-1715-0086
Defensive System Trainer Technician (AN/ALQ-T4(V)) AF-1715-0232

Densitometric
Sensitometric and Densitometric Control Techniques AF-1709-0007
Sensitometric and Densitometric Equipment Operator AF-1709-0008

Dental
Apprentice Dental Laboratory Specialist AF-0701-0016
Apprentice Dental Specialist AF-0701-0013
Chrome-Cobalt Dental Prosthetics AF-0701-0017
Crown and Bridge Dental Prosthetics AF-0701-0011
Dental Assistant (Phase I) AF-0701-0005
Dental Assistant (Phase II) AF-0701-0006
Dental Laboratory Specialist AF-0701-0016
Dental Laboratory Technician AF-0701-0014
Dental Specialist AF-0701-0013
Dental Supervisor AF-0701-0009
Dental Technician AF-0701-0015
Dental Technician Advanced AF-0701-0015
Independent Duty Dental Technician AF-0701-0001

Dentistry
Preventive Dentistry Specialist AF-0701-0008

Denture
Complete Denture Prosthetics AF-0701-0010
Crown and Fixed Partial Denture Prosthetics AF-0701-0011
Removable Partial Denture Prosthetics AF-0701-0012

Depot
Depot Overhaul of the AN/ASH-4 Light and Time Recorder and AN/UVM-1 Test Set AF-1715-0503

Design
Advanced Data Automation Analysis and Design AF-1402-0053
Computer Systems Analysis and Design (Enlisted) AF-1402-0040
Data Systems Analysis and Design (Enlisted) AF-1402-0040
Data Systems Analysis and Design (Officer) AF-1402-0039
TEMPEST for Systems Design Engineer AF-1715-0128

Designer
Automated Systems Program Designer AF-1402-0010 AF-1402-0044
Automated Systems Program Designer (Management Support Systems) AF-1402-0010

Development
Research and Development Procurement Officer AF-1405-0036 AF-1405-0043

Site Development Specialist AF-1601-0041

Devices

Flight Training Devices Instructor Operator AF-1704-0169

DEW

Aleutian DEW Line Baker AF-1729-0006

Electrical Power Production, Aleutian Dew Line AF-1712-0002

Power Production Specialist (Dew Line) AF-1712-0002

Diagnostic

Vehicle Diagnostic Test Equipment AF-1703-0017

Dial

Dial Central Office Equipment Mechanic/Technician (SM-68) AF-1715-0101

Dial Central Office Equipment Specialist AF-1715-0100

Dial Central Office Equipment Specialist, SM-68B AF-1715-0682

Diet

Diet Supervisor AF-1729-0009

Diet Therapy Specialist AF-0709-0001

Diet Therapy Supervisor AF-1729-0009

Digital

Automatic Digital Switching Technician AF-1402-0020

Digital Computer Principles AF-1402-0062

Digital Subscriber Terminal Maintenance AF-1715-0119

Digital Techniques AF-1402-0022

Digital Voltmeter, Theory and Calibration AF-1715-0385

Electric Digital Computer Repairman (SAGE AN/FSQ-7) AF-1715-0058

Electronic Communications and Cryptographic Equipment Systems Repairman (Encrypted Digital Data Terminals)(EDDT) AF-1715-0351

Electronic Communications Cryptographic Repairman/Encrypted Digital Data Terminals (Preparatory) AF-1715-0221

Electronic Digital Computer Repairman (AN/FSA-21/412L) AF-1715-0016

Electronic Digital Computer Repairman (Display Equip/465L) AF-1402-0023

Electronic Digital Computer Repairman (Display Equipment/412L) AF-1715-0059

Electronic Digital Data Processing Equipment Maintenance Technician (AN/FSQ-7 Systems Technician) AF-1715-0266

Electronic Digital Data Processing Equipment Repairman AF-1715-0018

Electronic Digital Data Processing Equipment Repairman (Ballistic Missile Guidance Computer) (SM-65D) AF-1715-0701

Electronic Digital Data Processing Equipment Repairman, Central-Computer (416L-AN/FSQ-7) AF-1715-0348

Electronic Digital Data Processing Equipment Repairman (Data Transmission) AF-1715-0018

Electronic Digital Data Processing Repairman (AN/FST-2B) AF-1715-0018

Electronic Digital Data Processing Repairman (Data Processing Equipment/412L) AF-1715-0110

Electronic Digital Data Processing Repairman (Display Equipment/SACCS) AF-1715-0441

Electronic Digital Data Processing Repairman (Input-Output/465L Concentrator) AF-1715-0109

Electronic Digital Data Processing Repairman (Input-Output/465L RCC Ancillary) AF-1715-0446

Electronic Digital Data Processing Repairman (RCC-EDLCC/SACCS) AF-1715-0443

Electronic Digital Data Processing Specialist/Technician AF-1715-0349

Integrated Avionics System Specialist (Inertial/Bomb Navigation, Fire/Weapon Control, Digital Computers, Airborne Photographic Systems, and Multi-Sensor Displays) AF-1715-0210

Solid State Devices and Digital Techniques AF-1715-0042 AF-1715-0043 AF-1715-0044

Digitizer

Common Digitizer AN/FYQ-40, F & O AF-1402-0021

Dimensional

Precision Dimensional and Optical Measuring Technician AF-1721-0006

Disaster

Disaster Control Instructor AF-0802-0001

Disaster Control Officer AF-0802-0017

Disaster Control Specialist AF-0802-0001 AF-0802-0002

Disaster Preparedness AF-0802-0003

Disaster Preparedness Officer AF-0802-0017

Disaster Preparedness Specialist AF-0802-0001 AF-0802-0002

Disaster Preparedness Specialist (Additional Duty) AF-0802-0001

Disaster Preparedness Specialist (Remote Duty) AF-0802-0001

Disbursement

Accounting and Finance Supervisor (Disbursement Accounting) AF-1401-0015

Disbursement Accounting Specialist AF-1401-0006

Disbursing

Disbursing Clerk AF-1408-0019

Disbursing Officer AF-1401-0014 AF-1408-0056

Disbursing Supervisor AF-1408-0018

Disease

Disease Vector and Pest Control Technology AF-0101-0001

Display

BUIC III I/O Display Equipment Maintenance AF-1715-0014

Electronic Computer Repairman (Display Equipment/412L) AF-1715-0059

Electronic Computer Systems Repairman (Display Equipment/412L) AF-1715-0448

Electronic Digital Computer Repairman (Display Equipment/412L) AF-1715-0059

Electronic Digital Data Processing Repairman (Display Equipment/SACCS) AF-1715-0441

HM4118 Computer Display Equipment (407L) AF-1715-0052

Disposal

Disposal Management AF-1405-0056

Disposal Specialist AF-1405-0031

Dog

Combat Patrol Dog AF-1728-0022

Patrol Dog Explosives Detection AF-1728-0013

Patrol Dog Handler AF-1728-0014

Patrol Dog Handler Supervisor AF-1728-0023

Patrol Dog Handler Transition AF-1728-0015

Patrol Dog Marijuana Detection AF-1728-0010

Sentry Dog Handler AF-1728-0002

Sentry Dog Handler (Air Policeman) AF-1728-0002

Sentry Dog Handler Supervisor AF-1728-0021

Sentry Dog Replacement AF-2203-0031

Doppler

Aircraft Electronic Navigation Equipment Repairman (Doppler Supplement) AF-1715-0517

Aircraft Inertial and Radar Navigation Systems Repairman (AN/APN-81/89A/99A Doppler) AF-1715-0026

Aircraft Inertial and Radar Navigation Systems Repairman (AN/APN-89/99/108 Doppler) AF-1715-0026

AN/APN-105/131 Doppler Maintenance

AF-1715-0584
AN/APN-175(V)-3 Doppler Navigation System Maintenance AF-1715-0254
Avionic Inertial and Radar Navigation Systems Technician (AN/APN-81-89A/99A Doppler) AF-1715-0024

DPC/465L
Electronic Computer Repairman (DPC/465L) AF-1715-0057

DPC/SACCS
Electronic Computer Repairman (DPC/SACCS) AF-1715-0057
Electronic Computer Systems Repairman (DPC/SACCS) AF-1715-0057

DPI
Management/Supervision of a Data Processing Installation (DPI) AF-1402-0038

Drafting
Cartographic Drafting DD-1713-0002
Construction Drafting DD-1713-0003

Drug
Drug Education and Counseling AF-1512-0003

DSIAT
Defense Senor Interpretation and Applications Training (DSIAT) (Officer) AF-1606-0048
Defense Sensor Interpretation and Applications Training (DSIAT) (Airman) AF-1606-0051

Dutch
Dutch AF-0602-0004 AF-0602-0006

E-1
E-1 Series System Mechanic AF-1715-0580

E-4
E-4 (A-12) Autopilot AF-1715-0628
E-4, E-5 and E-6 Series Systems Mechanic AF-1715-0565
E-4, E-5, and E-6 Series System Technician AF-1715-0566
Weapons Control Systems Mechanic (E-4, E-5, E-6 Systems) AF-1715-0565
Weapons Control Systems Technician (E-4, 5, 6 Systems) AF-1715-0566
Weapons Control Systems Technician (E-4, E-5, E-6 Series) AF-1715-0566

E-5
E-4, E-5 and E-6 Series Systems Mechanic AF-1715-0565
E-4, E-5, and E-6 Series System Technician AF-1715-0566
Weapons Control Systems Mechanic (E-4, E-5, E-6 Systems) AF-1715-0565
Weapons Control Systems Technician (E-4, E-5, E-6 Series) AF-1715-0566

E-6
E-4, E-5 and E-6 Series Systems Mechanic AF-1715-0565
E-4, E-5, and E-6 Series System Technician AF-1715-0566
E-6 Autopilot and N-1 Compass AF-1715-0626
Weapons Control Systems Mechanic (E-4, E-5, E-6 Systems) AF-1715-0565
Weapons Control Systems Technician (E-4, E-5, E-6 Series) AF-1715-0566

E-9
Fire Control Systems Mechanic (E-9 Series) AF-1715-0199 AF-1715-0201
Weapons Control Systems Mechanic (E-9, MG-12 Systems) AF-1715-0689 AF-1715-0690
Weapons Control Systems Mechanic (E-9 System) AF-1715-0690
Weapons Control Systems Technician (E-9 System) AF-1715-0570

EAME
Radio Relay Equipment Repairman (EAME) AF-1715-0494

Early Warning
Airborne Early Warning Radar Repairman (AN/APS-20E) AF-1715-0025
Airborne Early Warning Radar Repairman (AN/APS-45) AF-1715-0029
Airborne Early Warning Radar Specialist Principles AF-1715-0533
Aircraft Early Warning Radar Maintenance Technician AF-1715-0282
Aircraft Early Warning Radar Repairman AF-1715-0427
Aircraft Early Warning Radar Repairman (for Navy Personnel) AF-1715-0364

East
Defense Language Institute Courses—East Coast Branch DD-0602-0009

ECCM
ECCM Operator AF-1715-0587
Ground Electronics Officer (ECCM) AF-1715-0588
Weapons Controller (ECCM Operations Officer) AF-1715-0721
Weapons Controller (ECCM Operations Officer)/Electronic Warfare Countermeasures Specialist AF-1715-0721

ECM
Airborne ECM Operator AF-1715-0382
Aircraft ECM Maintenance Technician AF-1715-0324
Aircraft ECM Repairman (Jamming Equipment) AF-1715-0224
Aircraft ECM Repairman (Reconnaissance Equipment) AF-1715-0223
Aircraft ECM Repairman (Surveillance Equipment) AF-1715-0223
Aircraft Electronic Countermeasures (ECM) Repairman (Ground Equipment) AF-1715-0684
ECM Maintenance For Armament Systems Officer AF-1715-0562
ECM Officer AF-1715-0449
Ground ECM Specialist AF-1715-0121

Economic
Advanced Cost and Economic Analysis AF-1408-0016

EDDT
Electronic Communications and Cryptographic Equipment Systems Repairman (Encrypted Digital Data Terminals)(EDDT) AF-1715-0351

Editing
Sound and Picture Editing Specialist AF-1709-0011

Editor
Newspaper Editor DD-0504-0003

EDTCC/465L
Electronic Computer Repairman (EDTCC/465L) AF-1715-0063

EDTCC/SACCS
Electronic Computer Systems Repairman (EDTCC/SACCS) AF-1715-0598

Education
Drug Education and Counseling AF-1512-0003
Troop Information and Education Enlisted DD-0504-0005
Troop Information and Education Officer DD-0504-0006

Egress
Aircrew Egress Systems Repairmen AF-1715-0707

Electric
Electric Power Line Specialist AF-1714-0001

Electrical
Advanced Electrical-Electronics Measurements AF-1715-0168
Airborne Electrical Systems Technician (AN/ARC-106) AF-1715-0509
Airborne Electrical System Technician (G-1186) AF-1715-0507
Aircraft and Missile Electrical Repairman AF-1704-0114
Aircraft and Missile Electrical Repair Technician AF-1704-0165
Aircraft Electrical Repairman AF-1704-0114

Aircraft Electrical Repairman (F-101B) AF-1704-0035
Aircraft Electrical Repair Technician AF-1704-0165
Atomic Energy, Phase I (Electrical) AF-1715-0169
Automotive AC Electrical Systems AF-1703-0008
Electrical Engineering AF-1715-0164
Electrical Power Production, Aleutian Dew Line AF-1712-0002
Electrical Power Production Operator AF-1712-0005
Electrical Power Production Repairman AF-1712-0004
Electrical Power Production Repairman/Technician (SM-68) AF-1712-0003
Electrical Power Production Specialist AF-1712-0005
Electrical Power Production Specialist/Technician, SM-68B AF-1715-0306
Electrical Power Production System Maintenance (LGM-25) AF-1715-0575
Electrical Power Production Technician AF-1715-0579
Electrical Power Production Technician/Specialist, SM-65F AF-1715-0432
Electrical Repair Technician (HH-53) AF-1715-0586
Electrical Standards Console AF-1714-0013
Electrical Standards Console and Low Frequency Voltage and Phase Standards AF-1714-0013
Electrical Systems Maintenance LGM-25 AF-1715-0311
Electrician and Electrical Technician, WS-133A,B,A-M AF-1714-0009
Missile Electrical Repairman/Technician, SM68 AF-1715-0380
Missile Electrical Specialist AF-1715-0140
Missile Electrical Specialist (LGM-25) AF-1715-0136
Missile Electrical Specialist (SM-65D) AF-1715-0430
Missile Electrical Specialist (SM-65 E & F) AF-1714-0010
Missile Electrical Specialist (SM-68A) AF-1714-0006
Missile Electrical Specialist (SM-68B) AF-1715-0136
Missile Electrical Specialist/Technician, SM-68B AF-1715-0134
Weapons Fuzing Systems Specialist (Electrical) AF-1714-0004

Electrician
Aircraft Electrician Gunner, B-36 AF-1704-0158
Electrician AF-1714-0012
Electrician and Electrical Technician, WS-133A,B,A-M AF-1714-0009
Electrician/Electrical Technician, SM-68B AF-1715-0301
Electrician, SM-80 AF-1715-0589
Electrician/Supervisor (Facility) AF-1714-0014
Electrician/Supervisor (SM-65F) AF-1715-0312
Electrician/Supervisor (SM-68) AF-1715-0307
Electrician, WS-133A,B,A-M AF-1714-0009
Electrician, WS-133B AF-1714-0009

Electroencephalographic
Electroencephalographic Specialist AF-0709-0019

Electromagnetic
Electromagnetic Compatibility AF-1715-0739

Electromechanical
Communications and Relay Center Equipment Repairman, Electromechanical AF-1715-0132
Cryptographic Equipment Electromechanical Repairman (other) AF-1715-0438
Cryptographic Equipment Repairman, Electromechanical AF-1715-0438
Telephone Switching Equipment Repairman, Electromechanical AF-1715-0038
Telephone Switching Equipment Repairman, Electromechanical (Other) AF-1715-0195

Electronic
Airborne Electronic Countermeasures Specialist AF-1715-0382
Airborne Electronic Navigation Equipment Repairman AF-1715-0362
Airborne Electronic Navigation Equipment Repairman (SHORAN) AF-1715-0521
Aircraft Electronic Countermeasures (ECM) Repairman (Ground Equipment) AF-1715-0684
Aircraft Electronic Countermeasures Repairman (Jamming Equipment) AF-1715-0224
Aircraft Electronic Countermeasures Repairman (Surveillance Equipment) AF-1715-0223
Aircraft Electronic Countermeasures Repairmen(Jamming Equipment) AF-1715-0224
Aircraft Electronic Navigation Equipment Maintenance Technician AF-1715-0510
Aircraft Electronic Navigation Equipment Repairman AF-1715-0680
Aircraft Electronic Navigation Equipment Repairman (AN/APN-82) AF-1715-0517
Aircraft Electronic Navigation Equipment Repairman (AN/APN-82 and AN/APN-89) AF-1715-0517
Aircraft Electronic Navigation Equipment Repairman (Doppler Supplement) AF-1715-0517
Aircraft Electronic Navigation Equipment Repairman (General) AF-1715-0680
Aircraft Electronic Navigation Equipment Repairman (SHORAN) AF-1715-0521
Aircraft Electronic Navigation Equipment Repairman (TACAN Supplement) AF-1715-0602
Aircraft Electronic Navigation Equipment Technician AF-1715-0510
Aircraft Sensor Systems Repairman (Electronic Sensors) AF-1715-0479
AN/TTC-30 Electronic Switch Intermediate/Organizational (I/O) Maintenance AF-1715-0165
Automatic Teletype and Electronic Switching Systems Repairman AF-1715-0102
Avionic Sensor Systems Specialist (Electronic Sensors) AF-1715-0475
Baker-Nunn Electronic Maintenance AF-1715-0717
Basic Observer Electronic Countermeasures AF-1715-0564
Electronic Analog Data Processing Equipment Repairman AF-1715-0061
Electronic Communications and Cryptographic Equipment Systems Repairman AF-1715-0174
Electronic Communications and Cryptographic Equipment Systems Repairman (Encrypted Digital Data Terminals)(EDDT) AF-1715-0351
Electronic Communications and Cryptographic Systems Equipment Repairman (Automatic Teletype) AF-1715-0102
Electronic Communications and Cryptographic Systems Equipment Repairman (Ciphony) (Encrypted Tel-Data Fax) AF-1715-0174
Electronic Communications and Cryptographic Systems Equipment Repairman (Encrypted Teletype) AF-1715-0174
Electronic Communications Cryptographic Repairman/Encrypted Digital Data Terminals (Preparatory) AF-1715-0221
Electronic Computer Maintenance Officer AF-1715-0722
Electronic Computer Principles, FYQ-47 Preparatory (Radar Principles) AF-1715-0030
Electronic Computer Repairman (AN/FSA-21/412L) AF-1715-0016
Electronic Computer Repairman BUIC AN/GSA-51A AF-1715-0677
Electronic Computer Repairman (Display Equipment/412L) AF-1715-0059

Electronic Computer Repairman (DPC/465L)
AF-1715-0057

Electronic Computer Repairman (DPC/SACCS)
AF-1715-0057

Electronic Computer Repairman (EDTCC/465L)
AF-1715-0063

Electronic Computer Repairman (SAGE AN/FSQ-7)
AF-1715-0058

Electronic Computer Systems Repairman (AN/FST-2B)
AF-1715-0018

Electronic Computer Systems Repairman (BUIC AN/GSA-51A)
AF-1715-0447

Electronic Computer Systems Repairman (BUIC AN/GYK-19)
AF-1715-0447

Electronic Computer Systems Repairman (Data Processing Equipment/412L)
AF-1715-0386

Electronic Computer Systems Repairman (Display Equipment/412L)
AF-1715-0448

Electronic Computer Systems Repairman (DPC/SACCS)
AF-1715-0057

Electronic Computer Systems Repairman (EDTCC/SACCS)
AF-1715-0598

Electronic Computer Systems Repairman (FSQ-7/SAGE)
AF-1715-0058

Electronic Computer Systems Repairman (RCC-EDLCC/465L)
AF-1715-0443

Electronic Computer Systems Repairman (Weapons Control Computer Group, AN/FSA-21/412L)
AF-1715-0034

Electronic Computer Systems Supervisor/Technician
AF-1402-0050

Electronic Countermeasures Officer
AF-1715-0449

Electronic Data Processing Officer
AF-1402-0046

Electronic Digital Computer Repairman (AN/FSA-21/412L)
AF-1715-0016

Electronic Digital Computer Repairman (Display Equip/465L)
AF-1402-0023

Electronic Digital Computer Repairman (Display Equipment/412L)
AF-1715-0059

Electronic Digital Data Processing Equipment Maintenance Technician (AN/FSQ-7 Systems Technician)
AF-1715-0266

Electronic Digital Data Processing Equipment Repairman
AF-1715-0018

Electronic Digital Data Processing Equipment Repairman (Ballistic Missile Guidance Computer) (SM-65D)
AF-1715-0701

Electronic Digital Data Processing Equipment Repairman, Central-Computer (416L-AN/FSQ-7)
AF-1715-0348

Electronic Digital Data Processing Equipment Repairman (Data Transmission)
AF-1715-0018

Electronic Digital Data Processing Repairman (AN/FST-2B)
AF-1715-0018

Electronic Digital Data Processing Repairman (Data Processing Equipment/412L)
AF-1715-0110

Electronic Digital Data Processing Repairman (Display Equipment/SACCS)
AF-1715-0441

Electronic Digital Data Processing Repairman (Input-Output/465L Concentrator)
AF-1715-0109

Electronic Digital Data Processing Repairman (Input-Output/465L RCC Ancillary)
AF-1715-0446

Electronic Digital Data Processing Repairman (RCC-EDLCC/SACCS)
AF-1715-0443

Electronic Digital Data Processing Specialist/Technician
AF-1715-0349

Electronic Emission Monitor/Analysis Specialist
AF-1715-0551

Electronic Fuel Control Repairman
AF-1715-0360

Electronic Fuel Control Repair Technician
AF-1715-0401

Electronic Instrument Trainer Specialist (C-11 Type)
AF-1715-0653

Electronic Instrument Trainer Specialist (P & Z)
AF-1715-0655

Electronic Instrument Trainer Specialist (Z & P Types)
AF-1715-0655

Electronic Intelligence Operations Specialist
AF-1715-0551

Electronic Intercept Operations/Analysis Specialist
AF-1715-0551

Electronic Intercept Operations Specialist
AF-1715-0229

Electronic Intercept Operations Specialist (Interim)
AF-1715-0554

Electronic Switching Center, AN/TTC-19
AF-1715-0356

Electronic Switching Systems Repairman (490L Overseas AUTOVON)
AF-1715-0396

Electronic Test Equipment Calibration and Repair (Tektronix)
AF-1715-0096

HM4118 Electronic Computer Repairman/Operator/407L
AF-1715-0392

Missile Electronic Equipment Specialist (AGM-28A/B)
AF-1715-0458

Missile Electronic Equipment Specialist (AGM-69A)
AF-1715-0457

Missile Electronic Equipment Specialist (CGM-13B, TEMS)
AF-1715-0641

Missile Electronic Equipment Specialist (LGM-25)
AF-1715-0166

Missile Electronic Equipment Specialist, WS-133A
AF-1715-0456

Missile Electronic Equipment Specialist, WS-133A-M
AF-1715-0711

Missile Electronic Equipment Specialist, WS-133B
AF-1715-0461

Missile Electronic Equipment Technician, WS-133A-M
AF-1715-0143

Missile Electronic Equipment Technician WS-133(CDB)
AF-1715-0714

Special Electronic Equipment Specialist
AF-1715-0347

Weapons Fusing Systems Specialist (Electronic)
AF-1715-0149

Electronics

Advanced Electrical-Electronics Measurements
AF-1715-0168

Air Electronics Maintenance for Armament Systems Officer
AF-1715-0560

Air Electronics Officer
AF-1715-0323

Air Electronics Officer, Fighter A/C
AF-1715-0323

Communications-Electronics Engineer
AF-1715-0260

Communications-Electronics Officer
AF-1408-0048

Communications-Electronics Programming (Staff Officer)
AF-1408-0047

Communications-Electronics Programs Management
AF-1408-0050

Communications-Electronics Staff Officer
AF-1408-0048

Communications-Electronics Systems Superintendent
AF-1715-0170

Electronics Switching Systems Repairman (490L Overseas AUTOVON)
AF-1715-0500

Electronics Systems Officer
AF-1715-0588

Ground Electronics Officer
AF-1715-0588

Ground Electronics Officer (ECCM)
AF-1715-0588

Ground Electronics Officer (Electronics)
AF-1715-0588

Officers Airborne Electronics Orientation
AF-1715-0562

Officers Ground Electronics Orientation
AF-1715-0555

Precision Measuring Equipment Specialist (Electronics)
AF-1715-0033

Special Electronics Equipment Specialist, Q System
AF-1715-0350

Specialized Communications and Electronics (C & E) Training
AF-1715-0198

Electronic Warfare

Electronic Warfare Countermeasures Specialist

AF-1715-0202
AF-1715-0587
Electronic Warfare Officer
AF-1715-0529
Electronic Warfare Officer Training (Reconnaissance)
AF-2203-0003
Electronic Warfare Repairman
AF-1715-0532
Electronic Warfare Systems
AF-2203-0004
Electronic Warfare Systems Specialist
AF-1715-0532
Electronic Warfare Technician
AF-1715-0324
Electronic Warfare Training (Specialized F-4 Pilot)
AF-1606-0114
Electronic Warfare Upgrade Training (B-58)
AF-1715-0553

Electro-Optical
Avionic Sensor Systems Specialist (Electro-Optical Sensors)
AF-1715-0478

Electroplating
Heat Treatment and Electroplating of Metals
AF-1723-0003

Emergency
Nuclear Emergency Team/Nuclear Emergency Team Operations
AF-0802-0023

Emission
Electronic Emission Monitor/Analysis Specialist
AF-1715-0551

EMU-12/E
EMU-12/E Generator Set
AF-1715-0698

Encrypted
Electronic Communications and Cryptographic Equipment Systems Repairman (Encrypted Digital Data Terminals)(EDDT)
AF-1715-0351
Electronic Communications and Cryptographic Systems Equipment Repairman (Ciphony) (Encrypted Tel Data Fax)
AF-1715-0174
Electronic Communications and Cryptographic Systems Equipment Repairman (Encrypted Teletype)
AF-1715-0174

Energy
Atomic Energy, Phase I
AF-1715-0169
Atomic Energy, Phase I (Electrical)
AF-1715-0169
Officers Phase I, Atomic Energy
AF-1715-0290

Engine
Aircraft Engine Test Stand Calibration
AF-1704-0057
Aircraft Maintenance Specialist, Reciprocating Engine Aircraft
AF-1704-0043
Aircraft Maintenance Technician, Reciprocating Engine Aircraft
AF-1704-0088
Aircraft Mechanic, Reciprocating Engine Aircraft
AF-1704-0043
Aircraft Mechanic, Reciprocating Engine Types
AF-1704-0043
Aircraft Reciprocating Engine Conditioning
AF-1704-0071
Aircraft Reciprocating Engine Mechanic
AF-1704-0022
Airplane and Engine Mechanic, Liaison Types
AF-1704-0064
B-52H Turbofan Engine Field and Organizational Maintenance
AF-1704-0073
Engine Analyzer, Sperry Maintenance
AF-1715-0505
Engine Manager
AF-1717-0020
Field and Organizational Maintenance, T56-A-1A Engine
AF-1704-0066
Flight Engineer Specialist, Reciprocating Engine Aircraft
AF-1606-0032
Fundamentals of Missile Engine Maintenance
AF-1704-0156
J79-15 Engine Systems and Engine Run-Up
AF-1704-0052
J-79 Engine Field and Organizational Maintenance (F-104)
AF-1704-0089
J-79 Engine, F & O Maintenance and Control System (F-104)
AF-1704-0087
J-79 Engine, Organizational Maintenance and Control System, F-104
AF-1704-0085
J-79 Engine, Organizational Maintenance (F-104)
AF-1704-0090
JEFM J79-15 Engine
AF-1704-0016
Jet Engine Block Test and Vibration Analyzer
AF-1704-0015
AF-1704-0030
Jet Engine Vibration Analyzer Maintenance (Sperry)
AF-1715-0093
Jet Engine Vibration Analyzer Operator (Sperry)
AF-1704-0020
Missile Engine Mechanic
AF-1704-0131
AF-1704-0135
Missile Engine Mechanic (HGM-25A)
AF-1704-0136
Missile Engine Mechanic, IM-99
AF-1704-0132
Missile Engine Mechanic (LGM-25)
AF-1715-0175
Missile Engine Mechanic (SM-65D)
AF-1704-0134
AF-1704-0140
Missile Engine Mechanic (SM-65E/F)
AF-1704-0133
Missile Engine Mechanic (SM-68A)
AF-1704-0136
Missile Engine Mechanic (SM-68B)
AF-1715-0175
Missile Engine Mechanic/Technician (SM-65)
AF-1704-0105
Missile Engine Mechanic/Technician (SM-65F)
AF-1704-0105
Missile Engine Mechanic/Technician, SM-68
AF-1704-0141
Missile Engine Mechanic/Technician, SM-68B
AF-1704-0138
Ramjet Engine Mechanic, RJ-43, IM-99B
AF-1704-0077
Reciprocating Engine Conditioning With Analyzers (R2800 and Smaller)
AF-1704-0071
Reciprocating Engine Conditioning With Analyzers (R3350)
AF-1704-0071
Reciprocating Engine Conditioning With Analyzers (R4360)
AF-1704-0071
Reciprocating Engine Mechanic
AF-1704-0022
Reciprocating Engine Mechanic (Engine Analyzer)
AF-1704-0034
Reciprocating Engine Technician
AF-1704-0049
TF-33 Turbofan Engine Maintenance
AF-1704-0073

Engineer
Advanced Observer Aircraft Performance Engineer
AF-1704-0115
Base Civil Engineer
AF-1601-0044
Basic Observer Aircraft Performance Engineer Training
AF-1704-0116
C-141 Flight Engineer Technician
AF-1704-0031
C-5 Flight Engineer Technician
AF-1704-0033
Civil Engineer Inspector
AF-1601-0021
Communications-Electronics Engineer
AF-1715-0260
Engineer Environmental Support Specialist
AF-1732-0001
Flight Engineer Advanced Flying (HC-130) ARRS
AF-1606-0027
Flight Engineer School, C-5
AF-1704-0033
Flight Engineer Specialist
AF-1704-0027
Flight Engineer Specialist, Jet Aircraft
AF-1704-0027
Flight Engineer Specialist, Reciprocating Engine Aircraft
AF-1606-0032
Flight Engineer Technician
AF-1704-0027
HC-130 Flight Engineer
AF-1606-0027
HC-130 Flight Engineer (Aircrew Training)
AF-1606-0027
Medium Bombardment Conventional B-29 Four-Engine Transition (Flight Engineer)
AF-1606-0040
Staff Aircraft Performance Engineer
AF-1104-0001
TEMPEST for Systems Design Engineer
AF-1715-0128

Engineering
- Air Conditioning Engineering AF-1701-0001
- Applied Engineering AF-1601-0022
- Basic Installations Engineering Officer AF-1601-0044
- Bio-Environmental Engineering AF-0707-0003
- Building Systems Engineering AF-1601-0025
- Electrical Engineering AF-1715-0164
- Engineering Entomology Specialist AF-0101-0002
- Engineering Entomology Specialist/Technician AF-0101-0003
- Executive Engineering AF-1408-0024
- Industrial Engineering Techniques AF-1601-0023
- Maintenance Engineering Production Analysis AF-1408-0006, AF-1408-0007
- Management Engineering Officer AF-1115-0007
- Management Engineering Specialist AF-1408-0012
- Military Aspects of Sanitary and Industrial Hygiene Engineering AF-0707-0001
- Technical Engineering Analysis Team, WS-133A AF-1715-0600
- Technical Engineering Analysis Team, WS-133B AF-1715-0527

Engineering Analysis
- Technical Engineering Analysis Team, WS-133B AF-1715-0527

Entertainment
- Shipboard Information, Training and Entertainment (SITE) System Operators (Television Afloat) DD-0504-0010

Entomology
- Engineering Entomology Specialist AF-0101-0002
- Engineering Entomology Specialist/Technician AF-0101-0003
- Entomology Specialist AF-0101-0003

Environmental
- Aircraft Environmental Systems Repairman AF-1701-0007
- Aircraft Environmental Systems Repair Technician AF-1715-0528
- Engineer Environmental Support Specialist AF-1732-0001
- Environmental Health Specialist AF-0707-0008
- Environmental Protection AF-0707-0007

Equal
- Defense Equal Opportunity Management Institute DD-1512-0001

Equipment
- Aerospace Ground Equipment Repairman AF-1715-0605
- Aerospace Ground Equipment Repair Technician AF-1717-0012
- Aircraft and Missile Ground Support Equipment Repair AF-1717-0012
- Aircraft and Missile Ground Support Equipment Repairman AF-1715-0605
- Aircraft Ground Equipment Repairman AF-1715-0605
- All-Relay Central Office Equipment Specialist AF-1715-0411
- Apprentice Medical Equipment Repairman AF-1715-0001
- Automatic Central Office Equipment Technician (Kellogg K-60) AF-1715-0685
- Avionics Aerospace Ground Equipment Specialist AF-1715-0537
- Basic Weather Service (Equipment Channel) AF-1715-0412
- Biomedical Equipment Maintenance Specialist AF-1715-0001
- Construction Equipment Operator AF-1710-0008
- Equipment Cooling Specialist AF-1730-0002
- Equipment Cooling Specialist/Technician, SM-68B AF-1730-0001
- F-4 Protective Equipment Specialist AF-1704-0180
- F-4 Protective Equipment Technician AF-1704-0180
- Flight Facilities Equipment Maintenance Technician AF-1715-0019
- Flight Facilities Equipment Technician AF-1715-0019
- Ground Equipment Maintenance Officer AF-1717-0021
- Ground Powered and Support Equipment Repairman AF-1715-0605
- Ground Weather Equipment Operator AF-1715-0412
- KC-135 Mechanical Accessories and Equipment Repairman AF-1701-0006
- Mechanical Accessories and Equipment Repairman AF-1701-0007
- Mechanical Accessories and Equipment Repairman, B-52 AF-1704-0178
- Mechanical Accessories and Equipment Repairman, C-130A AF-1704-0101
- Mechanical Accessories and Equipment Repair Technician AF-1715-0528
- Medical Equipment Repair AF-1715-0182
- Medical Equipment Repairman AF-1715-0001
- Medical Equipment Repair Technician AF-1715-0182
- Personal and Survival Equipment Training (Enlisted) AF-1704-0183
- Personal Equipment and Survival Training AF-0802-0020
- Personal Equipment and Survival Training (Enlisted) AF-1704-0183
- Personal Equipment Specialist AF-1704-0182
- Personal Equipment Specialist (General) AF-1704-0182
- Protective Equipment Specialist AF-1704-0182
- Reproduction Equipment Repair DD-1706-0002
- Special Electronic Equipment Specialist AF-1715-0347
- Special Electronics Equipment Specialist, Q System AF-1715-0350
- Special Training on AN/ALT-6 Equipment (Depot) AF-1715-0418
- Special Training on AN/ALT-6 Equipment (F & O) (Field and Organizational) AF-1715-0418
- Survival Training and Equipment Officer AF-0802-0020
- Survival Training and Personal Equipment Officer AF-0799-0006
- Survival Training and Personal Equipment Specialist AF-1704-0182
- Survival Training and Protective Equipment Officer AF-0802-0020
- Telephone Equipment Installer-Repairman AF-1715-0048
- Weather Equipment Repairman AF-1715-0412
- Weather Equipment Technician AF-1715-0417

Evacuation
- Aeromedical Evacuation Technician AF-0709-0011
- Apprentice Aeromedical Evacuation AF-0709-0004
- Apprentice Aeromedical Evacuation Specialist AF-0709-0004

Executive
- Administration Management and Executive Support Officer AF-1408-0067
- Executive Engineering AF-1408-0024
- Executive Hospital Housekeeper AF-0902-0001

Experimental
- Experimental Test Pilot AF-1606-0093

Explosives
- Explosives Safety Officer AF-0802-0024
- Explosives Safety Officer/Specialist AF-0802-0024
- Explosives Safety Training AF-0802-0024
- Patrol Dog Explosives Detection

AF-1728-0013

Extended
Defense Language Institute Extended or Basic-Intermediate Courses
DD-0602-0005

F-100
AFS Fighter, Jet (F-100)
AF-1606-0126
Fighter Course, Unit Conversion, F-100
AF-1606-0126
Jet Engine Technician J-57 O/I (F-100)
AF-1704-0092

F-100A
USAF Advanced Flying School, Fighter F-100A (Phase II)
AF-1606-0122

F-100D
Aircraft Mechanic, F-100D
AF-1704-0063

F-100D/F
Aircraft Hydraulic Repairman, F-100D/F
AF-1704-0065

F-101A
Aircraft Electrical Repairman, F-101A
AF-1704-0104
Aircraft Mechanic, F-101A
AF-1704-0062

F-101B
Aircraft Electrical Repairman (F-101B)
AF-1704-0035
Aircraft Mechanic, F-101B
AF-1704-0061
MB-5 Autopilot Repairman, F-101B
AF-1704-0119

F-102
Interceptor Pilot Instructor Training (F-102)
AF-1606-0096
Interceptor Pilot Training (F-102)
AF-1606-0100
J57-P-23 Jet Engine Field Maintenance (F-102)
AF-1704-0051

F-102A
Aircraft Electrical Repairman, F-102A
AF-1704-0128
Aircraft Hydraulic Repairman, F-102A
AF-1704-0124
Aircraft Mechanic, F-102A
AF-1704-0123

F-104
Aircraft Electrical Repairman, F-104
AF-1704-0166
Aircraft Mechanic, F-104
AF-1704-0086
F-104 Flight Control Specialist
AF-1715-0231
J-79 Engine Field and Organizational Maintenance (F-104)
AF-1704-0089
J-79 Engine, F & O Maintenance and Control System (F-104)
AF-1704-0087
J-79 Engine, Organizational Maintenance and Control System, F-104
AF-1704-0085
J-79 Engine, Organizational Maintenance (F-104)
AF-1704-0090

F-105D/F
Weapons Control Systems Mechanic (F-105D/F: ASG-19 System)
AF-1715-0010

F-106
F-106 Aircraft Mechanic
AF-1704-0053

F-106A/B
Weapons Control Systems Mechanic (F-106A/B: MA-1, ASQ-25 Systems)
AF-1715-0375

F-111
F-111 CADC Test Station Technician
AF-1715-0054
F-111 Communications Guidance Test Stations Technician
AF-1715-0098
F-111 Flight Controls Test Station Technician
AF-1715-0004
F-111 Indicator and Controls Test Stations Technician
AF-1715-0183
F-111 Indicators and Modules Test Station Technician
AF-1715-0718
F-111 Navigation Aids Test Stations Technician
AF-1715-0184
F-111 Penetration Aids Test Stations Technician
AF-1715-0124
F-111 Radar and Control Test Stations Technician
AF-1715-0261

F-111A
F-111A Computer/Navigation Test Station Technician
AF-1402-0024
F-111A Radar and Controls Test Stations Technician
AF-1715-0250
F-111A Weapons System Training
AF-1606-0117
F-111A Weapons System Training (Aircraft Commander)
AF-1606-0132
F-111A Weapons System Training (Mark I)
AF-1606-0117
F-111A Weapons System Training (NAV/PILOT)
AF-1606-0117
Weapons Control Systems Mechanic (F-111A)
AF-1715-0486

F-4
Electronic Warfare Training (Specialized F-4 Pilot)
AF-1606-0114
F-4 Aircrew Life Support Specialist
AF-1704-0180
F-4 Protective Equipment Specialist
AF-1704-0180
F-4 Protective Equipment Technician
AF-1704-0180

F-4E
Weapons Control Systems Mechanic (F-4E)
AF-1715-0610
Weapons Control Systems Mechanic (F-4E:APQ-120)
AF-1715-0610

F-84E
Combat Crew Training Fighter (F-84E) Phase II—80 Hour Phase
AF-1606-0070

F-84F
Combat Crew Training Fighter (F-84F)
AF-1606-0069
MB-2 Autopilot, F-84F
AF-1704-0148

F-86
USAF Advanced Flying School, Fighter (F-86)
AF-1606-0105
AF-1606-0107

F-86D/L
Instructor Interceptor, Jet (F-86D/L)
AF-1606-0123

F-86F
USAF Advanced Fighter Training (F-86F)
AF-1606-0151
USAF Advanced Flying School, Fighter F-86F
AF-1606-0105

F-86L
Interceptor Pilot Training (F-86L)
AF-1606-0077
USAF Advanced Interceptor Pilot Training F-86L
AF-1606-0077

F-89D
Interceptor Weapons Instructor School (F-89D)
AF-1406-0014
USAF Advanced Flying School, Interceptor (F-89D)-Pilot
AF-1606-0087
USAF Advanced Flying School, Interceptor (F-89D)—Radar Observer
AF-1606-0088

F-94C
Interceptor Weapons Instructor School (F-94C)
AF-1406-0013
USAF Advanced Flying School (Interceptor-F-94C)—Pilot
AF-1606-0082
USAF Advanced Flying School (Interceptor-F-94C)—Radar Observer
AF-1606-0083
USAF Combat Flying School, Interceptor (F-94C)—Pilot
AF-1606-0082
USAF Combat Flying School, Interceptor (F-94C)—Radar Observer
AF-1606-0083

Fabric
Fabric and Leather Worker
AF-1716-0002
Fabric and Rubber Products Specialist
AF-1716-0001
Fabric, Leather and Rubber Products Repairman
AF-1716-0001
Maintenance of Survival and Aircrew Protective Equipment (Fabric and Leather)
AF-1716-0003
Maintenance of Survival and Aircrew Protective Equipment (Fabric, Leather, and Rubber)
AF-1716-0003

Facilities
Flight Facilities Equipment Repairman
AF-1715-0490
Flight Facilities Equipment Repairman (ILS)
AF-1715-0632
Flight Facilities Equipment Repairman (Ranges and Beacons)

AF-1715-0253
Flight Facilities Equipment Repairman (TACAN)
AF-1715-0217
Missile Facilities Specialist
AF-1715-0637
Missile Facilities Specialist (CGM-13B, AGE Crew)
AF-2203-0005
Missile Facilities Specialist (HGM-16F)
AF-1715-0437
Missile Facilities Specialist (HGM-25A)
AF-1715-0436
Missile Facilities Specialist, IM-99B
AF-1715-0429
Missile Facilities Specialist (SM-65D)
AF-1715-0434
Missile Facilities Specialist (SM-65D & E)
AF-1715-0433
Missile Facilities Specialist (SM-65F)
AF-1715-0437
Missile Facilities Specialist (SM-68A)
AF-1715-0436
Missile Facilities Specialist, SM-80
AF-1731-0001
Missile Facilities Specialist/Technician (SM-65F)
AF-1715-0673
Missile Facilities Specialist/Technician SM-68B
AF-1715-0652
Missile Facilities Specialist, WS-133A
AF-1731-0001

Facility
Missile Facility Water Treatment
AF-1732-0003

Falcon
Defense Missile Guidance Mechanic—Falcon (AIM)
AF-1715-0635

FB-111
Bomb Navigation Systems Mechanic (FB-111)
AF-1715-0006
FB-111 Central Air Data Computer (CADC) Test Station Technician
AF-1715-0092
Navigator/Bombardier System Training (FB-111)
AF-1606-0146
Navigator Bombardier Upgrade Training (FB-111)
AF-1606-0084
Weapons Maintenance Technician FB-111
AF-1704-0179

Ferrous
Heat Treatment of Ferrous and Non-Ferrous Metals
AF-1723-0003

F/FB-111
F/FB-111 Avionics AGE Maintenance Technician
AF-1402-0027
F/FB-111 Mission and Traffic Control Test Station Technician
AF-1715-0373
F/FB-111 Navigation Aids Test Station Technician
AF-1715-0007
F/FB111 Penetration Aids Test Stations Technician
AF-1715-0207
AF-1715-0679

Weapons Control System Mechanic (F/FB-111)
AF-1715-0486

Field
Field Analysis of Cryogenic Liquids and Gases
AF-1601-0020

Fighter
Advanced Fighter Training (T-33/F-86) (MAP/ANG)
AF-1606-0116
AFS Fighter, Jet (F-100)
AF-1606-0126
AFS Fighter, Jet (T-33)—Phase I
AF-1606-0089
Air Electronics Officer, Fighter A/C
AF-1715-0323
Armament Systems Officer (Fighter)
AF-1715-0497
Avionics Officer (Fighter)
AF-1715-0497
Combat Crew Training, Fighter (F-84 E/F)
AF-1606-0069
Combat Crew Training Fighter (F-84E) Phase II—80 Hour Phase
AF-1606-0070
Combat Crew Training Fighter (F-84F)
AF-1606-0069
Combat Crew Training Fighter (T-33/F-84)
AF-1606-0070
Fighter Course, Unit Conversion, F-100
AF-1606-0126
Fighter Gunnery Instructor
AF-1606-0142
Fighter Weapons Instructor
AF-1406-0017
USAF Advanced Fighter Training (F-86F)
AF-1606-0151
USAF Advanced Flying School, Fighter F-100A (Phase II)
AF-1606-0122
USAF Advanced Flying School, Fighter (F-86)
AF-1606-0105
AF-1606-0107
USAF Advanced Flying School, Fighter F-86F
AF-1606-0105
USAF Advanced Flying School, Fighter (T-33)—Phase I
AF-1606-0089
Weapons Mechanic, Fighter Bomber
AF-1715-0597
Weapons Mechanic, Fighter Interceptor
AF-1715-0596

Fighters
Automatic Flight Control Systems Specialist (Fighters and B-58)
AF-1715-0543

F-III
F-III Computer/Programmer Test Stations Technician
AF-1715-0203

Filipino
Filipino/Tagalog
AF-0602-0007
AF-0602-0012

Film
Film Cutting Specialist
AF-1709-0011

Finance
Accounting and Finance Applications of Base Supply Computer (UNIVAC 1050 II)
AF-1401-0016
Accounting and Finance Automated Materiel System
AF-1401-0016
Accounting and Finance Officer
AF-1401-0009
Accounting and Finance Specialist
AF-1401-0001
Accounting and Finance Supervisor
AF-1401-0010
Accounting and Finance Supervisor (Disbursement Accounting)
AF-1401-0015
Accounting and Finance Supervisor (General Accounting)
AF-1401-0012
Finance Specialist
AF-1401-0001
Finance Supervisor
AF-1408-0062
AF-1408-0065

Financial
Financial Administration
AF-1408-0002
Industry Financial Management
DD-1408-0003

Finnish
Finnish
AF-0602-0007
AF-0602-0011
DD-0602-0002

Fire
Fire Prevention Technician
AF-1728-0032
Fire Protection Fundamentals
AF-1728-0037
Fire Protection Specialist
AF-1728-0037
Fire Protection Specialist (Missiles)
AF-1728-0033
Fire Protection Supervisor
AF-1728-0034
Integrated Avionics System Specialist (Inertial/Bomb Navigation, Fire/Weapon Control, Digital Computers, Airborne Photographic Systems, and Multi-Sensor Displays)
AF-1715-0210
O-10 and O-11A Crash Fire Trucks, Field Maintenance
AF-1728-0024
O-11A and O-11B Crash Fire Truck Field Maintenance
AF-1728-0025
O-11A, O-11B and O-6 Crash Fire Truck Maintenance
AF-1703-0003

Fire Control
Defensive Fire Control System Mechanic (A-3A, MD-9, ASG-15 Turrets)
AF-1715-0482
Defensive Fire Control System Mechanic (B-52H, ASG-21 Turret)
AF-1715-0540
Defensive Fire Control Systems Mechanic (A-3A, MD-9, ASG-15 Fire Control Systems)
AF-1715-0482
Defensive Fire Control Systems Mechanic (A-3A, MD-9, ASG-15 Turrets)
AF-1715-0482
Defensive Fire Control Systems

Mechanic (B-52H, ASG-21 Turrets)
AF-1715-0540
Defensive Fire Control Systems Mechanic (B-52H, B-58: MD-7, ASG-21 Turrets)
AF-1715-0540
Defensive Fire Control Systems Mechanic (MD-1, MD-1A, MD-4, and A-5)
AF-1715-0013
Defensive Fire Control Systems Mechanic (MD-7, AN/ASG-21 Turrets)
AF-1715-0540
Defensive Fire Control Systems Technician (A-3A, MD-9, ASG-15 Fire Control Systems)
AF-1715-0259
Defensive Fire Control Systems Technician (A-3A, MD-9, ASG-15 Turrets)
AF-1715-0259
Fire Control Systems Mechanic (AN/ASG-14 System)
AF-1715-0204
AF-1715-0211
Fire Control Systems Mechanic (ASG-19)
AF-1715-0010
AF-1715-0011
Fire Control Systems Mechanic (ASG-19 System)
AF-1715-0010
Fire Control Systems Mechanic (E-9 Series)
AF-1715-0199
AF-1715-0201
Fire Control Systems Mechanic (F-100A/C/D/F: MA-3, ASG-17 Systems)
AF-1715-0117
Fire Control Systems Mechanic (MA-10, ASG-14 Systems)
AF-1715-0567
Fire Control Systems Mechanic (MA-1,2,3 GBR Sight Systems)
AF-1715-0117
Fire Control Systems Mechanic (MA-1, MA-2, MA-3 Systems)
AF-1715-0117
Fire Control Systems Mechanic (MA-3, ASG-17 Systems)
AF-1715-0117
Fire Control Systems Mechanic (MA-7 System)
AF-1715-0688
Fire Control Systems Mechanic (MA-8 System)
AF-1715-0464
Fire Control Systems Mechanic, MG-10 Radar
AF-1715-0258
Fire Control Systems Mechanic (MG-10 Series Data Flow Specialist)
AF-1715-0708
Fire Control Systems Technician (MA-10, ASG-14 System)
AF-1715-0592
Fire Control Systems Technician (MA-1, 2, 3 GBR Sight Systems)
AF-1715-0012
Fire Control Systems Technician (MA-1, MA-2, MA-3 Systems)
AF-1715-0012
Fire Control System Technician (MA-1,-2,-3 GBR Sight Systems)
AF-1715-0012
Fire Control System Technician (MA-3, ASG-17 Systems)
AF-1715-0012
Offensive Fire Control Systems Mechanic (AMCS-AERO-1A)
AF-1715-0389
Offensive Fire Control Systems Mechanic (ASG-19 System)
AF-1715-0010
AF-1715-0011
Offensive Fire Control Systems Mechanic (MA-10, ASG-14 Systems)
AF-1715-0567
Offensive Fire Control Systems Mechanic (MA-3, ASG-17 Systems)
AF-1715-0117
Offensive Fire Control Systems Mechanic (MA-8 System)
AF-1715-0464
Offensive Fire Control Systems Technician (MA-3, ASG-17 Systems)
AF-1715-0012

Firefighter
Firefighter
AF-1728-0037
Firefighter Rescueman
AF-1728-0035
Helicopter Firefighter Training (H-43/UH-IN)
AF-1728-0036

Firefighting
A/S32P-2 Firefighting Vehicle Operator
AF-1728-0030
Firefighting Supervisor
AF-1728-0034
H-43 Firefighting
AF-1606-0129

Fixed
Ground Radio Maintenance Technician Fixed Stations, Communications Systems
AF-1715-0222

Flak
Flak Intelligence Officer
AF-2203-0050

Flexible
Flexible Gunnery Training Gunlaying System Mechanic Gunner, B-36
AF-1606-0098
Flexible Gunnery Training Turret System Mechanic Gunner, B-36
AF-1606-0095

Flight
Bomb Navigation Systems (Flight Line Mechanic)
AF-1715-0264
C-141 Flight Engineer Technician
AF-1704-0031
C-5 Flight Engineer Technician
AF-1704-0033
F-111 Flight Controls Test Station Technician
AF-1715-0004
Flight Engineer Advanced Flying (HC-130) ARRS
AF-1606-0027
Flight Engineer School, C-5
AF-1704-0033
Flight Engineer Specialist
AF-1704-0027
Flight Engineer Specialist, Jet Aircraft
AF-1704-0027
Flight Engineer Specialist, Reciprocating Engine Aircraft
AF-1606-0032
Flight Engineer Technician
AF-1704-0027
Flight Facilities Equipment Basic O/I Maintenance
AF-1715-0002
Flight Facilities Equipment Maintenance Technician
AF-1715-0019
Flight Facilities Equipment Repairman
AF-1715-0490
Flight Facilities Equipment Repairman (ILS)
AF-1715-0632
Flight Facilities Equipment Repairman (Ranges and Beacons)
AF-1715-0253
Flight Facilities Equipment Repairman (TACAN)
AF-1715-0217
Flight Facilities Equipment Technician
AF-1715-0019
Flight Mechanic Advanced Flying
AF-1606-0064
Flight Mechanic Training
AF-1606-0037
Flight Nurse
AF-0703-0008
Flight Screening Program, T-41
AF-1606-0137
Flight Simulator Fundamentals
AF-1715-0706
Flight Simulator Specialist
AF-1715-0706
Flight Simulator Technician
AF-1715-0573
Flight Training Devices Instructor Operator
AF-1704-0169
HC-130 Flight Engineer
AF-1606-0027
HC-130 Flight Engineer (Aircrew Training)
AF-1606-0027
Instructor Helicopter Flight Mechanic (H-1, H-3, H-53
AF-1606-0002
Instructor Helicopter Flight Mechanic (H-3,H-53)
AF-1606-0002
Integrated Avionics Component Specialist (Navigation/Flight and Weapons Control, and Flight Data Recorder Systems)
AF-1715-0476
Medical Officer Flight Familiarization Training (T-33)
AF-1606-0127
Medical Officer Flight Familiarization Training (T-37)
AF-1606-0127
Medium Bombardment Conventional B-29 Four-Engine Transition (Flight Engineer)
AF-1606-0040
Navigation/Bombing Trainer and Flight Simulator Tactics Specialist
AF-1715-0455

Flight Control
Automatic Flight Control System Specialist
AF-1715-0460
Automatic Flight Control Systems Specialist
AF-1715-0541
AF-1715-0543
Automatic Flight Control Systems Specialist (B-58)
AF-1715-0[illegible]39

Automatic Flight Control Systems Specialist (Bomber)
AF-1715-0542
Automatic Flight Control Systems Specialist (Fighters and B-58)
AF-1715-0543
Automatic Flight Control Systems Specialist (Other)
AF-1715-0541
Automatic Flight Control Systems Specialist (Tanker/Cargo/Utility/Bomber, Except B-58)
AF-1715-0541
Automatic Flight Control Systems Technician
AF-1715-0377
AF-1715-0378
AF-1715-0526
Automatic Flight Control Systems Technician (Bomber/Tanker)
AF-1715-0526
Automatic Flight Control Systems Technician (Fighters and B-58)
AF-1715-0378
Automatic Flight Control System Technician (HH-53)
AF-1715-0330
F-104 Flight Control Specialist
AF-1715-0231
Flight Control/Autopilot Systems Repairman
AF-1715-0542
AF-1715-0543
Flight Control/Autopilot Systems Repairman (B-58)
AF-1715-0539
Flight Control/Autopilot Systems Repairman (Other)
AF-1715-0542
Flight Control/Autopilot Systems Repair Technician
AF-1715-0526
Flight Control/Autopilot Systems Repair Technician (Other)
AF-1715-0526
Flight Control System Analyst, SM-62
AF-1715-0298

Fluids
Cryogenic Fluids Production Specialist
AF-1601-0016
AF-1601-0017
AF-1730-0013
Cryogenic Fluids Production Specialist (1 1/2 Ton/Day and 5 Ton/Day Plants)
AF-1601-0012
Cryogenic Fluids Production Specialist (1 1/2 Ton/Day Plant)
AF-1601-0012
Cryogenic Fluids Production Specialist (25-Ton Plant)
AF-1601-0004
AF-1601-0036
Cryogenic Fluids Production Specialist Technician (25 Ton)
AF-1601-0009
AF-1601-0018

Flying
Advanced Flying School (C-9) Tactical Airlift
AF-1606-0049
Flight Mechanic Advanced Flying
AF-1606-0064
Helicopter Mechanic Advanced Flying (HH-53) ARRS
AF-1606-0037
Helicopter Mechanic Flying (H-3) Basic
AF-1606-0037
Helicopter Mechanic Flying (H-53) Basic
AF-1606-0037
Helicoter Mechanic Advanced Flying (HH-3E) ARRS
AF-1606-0037
Navigator Advanced Flying (HC-130) ARRS
AF-1606-0025
Pararescue Advanced Flying Training—LBR
AF-1606-0130
Pilot Advanced Flying
AF-1606-0065
Pilot Advanced Flying (H-3) Basic
AF-1606-0036
Pilot Advanced Flying (H-53) Basic
AF-1606-0036
Pilot Advanced Flying (HH-3E) ARRS
AF-1606-0036
Pilot Advanced Flying (HH-53) ARRS
AF-1606-0036
Pilot Advanced Flying (TH-1F) Basic
AF-1606-0138
Pilot Advanced Flying (TH-1F) SAC
AF-1606-0139
Pilot Advanced Flying (UH-1N) Basic
AF-1606-0140
USAF Advanced Flying School, Fighter F-100A (Phase II)
AF-1606-0122
USAF Advanced Flying School, Fighter (F-86)
AF-1606-0105
AF-1606-0107
USAF Advanced Flying School, Fighter F-86F
AF-1606-0105
USAF Advanced Flying School, Interceptor (F-89D)—Pilot
AF-1606-0087
USAF Advanced Flying School, Interceptor (F-89D)—Radar Observer
AF-1606-0088
USAF Advanced Flying School (Interceptor-F-94C)—Pilot
AF-1606-0082
USAF Advanced Flying School (Interceptor-F-94C)—Radar Observer
AF-1606-0083
USAF Advanced Flying School, Interceptor (T-33/F-86L)
AF-1606-0108
USAF Combat Flying School, Interceptor (F-94C)—Pilot
AF-1606-0082
USAF Combat Flying School, Interceptor (F-94C)—Radar Observer
AF-1606-0083
USAF Combat Flying School, Interceptor (T-33/F-89D)—Pilot
AF-1606-0071
USAF Combat Flying School, Interceptor (T-33/F-89D)—Radar Observer
AF-1606-0072
USAF Combat Flying School, Interceptor (T-33/F-94C)—Pilot
AF-1606-0073
USAF Combat Flying School, Interceptor (T-33/F-94C)—Radar Observer
AF-1606-0074
USAF Combat Flying School, Light Bomb Jet (B-57)—Observer
AF-1606-0121
USAF Combat Flying School, Light Bomb Jet (B-57)—Pilot
AF-1606-0120

Food
Air Force Food Service Officer Course
AF-1729-0001
Medical Aspects of Food Handling
AF-0709-0018

Forecaster
Weather Forecaster
AF-1304-0002
Weather Forecaster Superintendent
AF-1304-0007
Weather Forecaster Technician
AF-1304-0002

Forecasting
Tropical Weather Analysis and Forecasting
AF-1304-0010
Weather Forecasting Superintendent
AF-1304-0007

Foreign
Foreign Service Institute Language Programs
AF-0602-0001
AF-0602-0002
AF-0602-0003
AF-0602-0004
AF-0602-0005
AF-0602-0006
AF-0602-0007
AF-0602-0008
AF-0602-0009
AF-0602-0010
AF-0602-0011
AF-0602-0012
AF-0602-0013

FORTRAN
FORTRAN Programming
AF-1402-0007

Forward
Store and Forward Communications System Computer Programmer
AF-1402-0057

FPS-6
AN/FPS-8 (MPS-11), FPS-6 and GPA-122 Organizational/Intermediate (O/I) Maintenance
AF-1715-0249

FPTS
Ground Communications Equipment Repairman, FPTS (Heavy)
AF-1715-0585
Ground Communications Equipment Repairman(Heavy)(FPTS)
AF-1715-0079
Radio Relay Equipment Repairman (FPTS)
AF-1715-0079
Radio Relay Equipment Repairman (FPTS)(AN/FRC-39 and AN/FRC-39A)
AF-1715-0079

Freight
Air Freight Specialist
AF-0419-0007
Freight Traffic Specialist
AF-0419-0006
AF-0419-0009

French
French
AF-0602-0001
AF-0602-0004
AF-0602-0006

DD-0602-0001
DD-0602-0002
DD-0602-0003
DD-0602-0004
DD-0602-0006
DD-0602-0009

Front
Front End Alignment, Operation and Maintenance
AF-1703-0013

Fuel
Aircraft Fuel System Mechanic
AF-1704-0047
Aircraft Fuel System Technician
AF-1704-0045
Aviation Fuel Monitoring Specialist
AF-1601-0040
B-52, C-135, and KC-135 Fuel System Repairman and Wet Wing Sealing
AF-1704-0017
B-52G Fuel System Repairman and Wet Wing Sealing
AF-1704-0174
Electronic Fuel Control Repairman
AF-1715-0360
Electronic Fuel Control Repair Technician
AF-1715-0401
Fuel Cell Repairs (B-52 and KC-135)
AF-1704-0019
Fuel Specialist
AF-1405-0025
AF-1601-0010
Fuel Specialist (Conventional Fuels)
AF-1601-0035
Fuel Specialist (Missile Liquid Fuel Propellant)
AF-1405-0023
Fuel Specialist (Missile Liquid Fuel Propellant) (LGM-25)
AF-1601-0047
Fuel Specialist (Nonconventional) (SM-68B)
AF-1601-0047
Fuel Specialist (Petroleum Fuels)
AF-1601-0035
Fuel Specialist (SM-68B)
AF-1601-0005
Fuel Specialist (Unconventional Fuels)
AF-1405-0023
AF-1601-0008
AF-1710-0005
Fuel Specialist (Unconventional Fuels) (SM-68B)
AF-1601-0047
Fuel Supply Officer
AF-1405-0034
AF-1601-0043
Fuel Supply Specialist Conventional Fuel
AF-1601-0035
Fuel Supply Specialist, IM-99
AF-1405-0024
Fundamentals of Liquid Fuel Systems Maintenance
AF-1601-0013
KC-135 Fuel System Repairman and Wet Wing Sealing
AF-1704-0175
Liquid Fuel System Maintenance Specialist/Technician SM-68B
AF-1601-0007
Liquid Fuel Systems Maintenance Specialist (Conventional Fuel)
AF-1601-0006
Liquid Fuel Systems Maintenance Specialist (HGM-16F)
AF-1601-0028
Liquid Fuel Systems Maintenance Specialist (HGM-25)
AF-1601-0032
Liquid Fuel Systems Maintenance Specialist (LGM-25)
AF-1601-0033
Liquid Fuel Systems Maintenance Specialist (LGM-25C)
AF-1601-0014
AF-1601-0033
Liquid Fuel Systems Maintenance Specialist (PGM-16D/E)
AF-1601-0034
Liquid Fuel Systems Maintenance Specialist, SM-65 and SM-68
AF-1601-0045
Liquid Fuel Systems Maintenance Specialist (SM-65D)
AF-1601-0031
Liquid Fuel Systems Maintenance Specialist (SM-65D/E)
AF-1601-0034
Liquid Fuel Systems Maintenance Specialist (SM-65E)
AF-1601-0034
Liquid Fuel Systems Maintenance Specialist (SM-65F)
AF-1601-0028
Liquid Fuel Systems Maintenance Specialist (SM-68A)
AF-1601-0032
Liquid Fuel Systems Maintenance Specialist (SM-68B)
AF-1601-0033
Liquid Fuel Systems Maintenance Specialist (SM-68B) (Titan II)
AF-1601-0033
Liquid Fuel Systems Maintenance Specialist/Technician (SM-65F)
AF-1601-0002
Liquid Fuel Systems Maintenance Technician (Conventional Fuel)
AF-1601-0011
Liquid Fuel System Specialist/Technician (SM-65)
AF-1601-0019
Liquid Fuel System Specialist/Technician, SM-68A
AF-1601-0003

Fuels
Fuels Management Officer (Petroleum Fuels)
AF-1601-0043
Fuels Officer (Conventional Fuels)
AF-1601-0043
Fuels Officer (Petroleum Fuels)
AF-1601-0043

Fundamentals
Fundamentals of Missile Engine Maintenance
AF-1704-0156

Funds
Nonappropriated Funds
AF-1408-0005

Fusing
Weapons Fusing System Specialist
AF-1715-0129
Weapons Fusing Systems Specialist (Electronic)
AF-1715-0149

Fuzing
Weapons Fuzing System Specialist (Re-Entry Vehicles)
AF-1715-0639
Weapons Fuzing Systems Specialist (Electrical)
AF-1714-0004

FYQ-47
Electronic Computer Principles, FYQ-47 Preparatory (Radar Principles)
AF-1715-0030

G-1186
Airborne Electrical System Technician (G-1186)
AF-1715-0507

G/A
Ground Radio Communications Equipment Repairman (Long Haul Communications G/A and P/P)
AF-1715-0240

GAM
GAM Analyst Mechanic, GAM-77
AF-1715-0454
GAM Control Mechanic, GAM-77
AF-1715-0146
GAM Guidance Mechanic, GAM-77
AF-1715-0649

GAM-63
Guidance System Analyst (GAM-63 Missile D/A)
AF-1715-0379

GAM-72
Control Systems Analyst (GAM-72)
AF-1715-0320
Control Systems Mechanic, GAM-72
AF-1715-0318
Jet Engine Mechanic (J-85 Engine Repair, Build-Up, and Installation), GAM-72
AF-1704-0072
Jet Engine Technician, (Repair, Build-Up, and Installation) GAM-72
AF-1704-0074
Missile Mechanic, GAM-72
AF-1704-0154
Weapons Mechanic (GAM-72)
AF-1715-0695

GAM-77
Analyst Technician, GAM-77
AF-1715-0157
Armament Systems Officer (GAM-77)
AF-1704-0147
Control Mechanic/Technician, GAM-77
AF-1715-0148
Control Systems Analyst (GAM-77)
AF-1715-0583
Control Systems Mechanic/Technician, GAM-77
AF-1715-0148
GAM Analyst Mechanic, GAM-77
AF-1715-0454
GAM Checkout Equipment Repairman (GAM-77)
AF-1715-0458
GAM Control Mechanic, GAM-77
AF-1715-0146
GAM Guidance Mechanic, GAM-77
AF-1715-0649
Guidance Systems Mechanic/Technician GAM-77
AF-1715-0147
Jet Engine Mechanic (GAM-77)
AF-1704-0068
Missile Mechanic (GAM-77)
AF-1715-0693
Missile Systems Analyst/Technician, GAM-77

AF-1715-0157
Missile Technician (GAM-77)
AF-1704-0153
Missile Test Equipment Technician, GAM-77
AF-1715-0336

GAM-83
GAM-83 Pilot Ground Trainer Operator/Maintenance
AF-1715-0322

GAR
Defense Missile Guidance Mechanic (GAR)
AF-1715-0139

GAR-1
Defense Missile Guidance Technician (GAR-1/2/11)
AF-1715-0650
Guidance Systems Mechanic (GAR-1)
AF-1715-0635
Guidance Systems Mechanic (GAR-1/2/3)
AF-1715-0635
Guidance Systems Technician (GAR-1)
AF-1715-0650
Guidance Systems Technician (GAR-1/2)
AF-1715-0650
Guidance Systems Technician (GAR-1/2/11)
AF-1715-0650

GAR-3
Guidance Systems Mechanic (GAR-3)
AF-1715-0325

GAR-3A/4A
GAR-3A/4A Field and Organizational (F & O) Maintenance Technician
AF-1715-0328

GARS
Defense Missile Guidance Mechanic (GARS)
AF-1715-0635
Guidance Systems Mechanic (GARS)
AF-1715-0635

Gas
Gas Generating Plant Operator
AF-1601-0016
Gas Generator Plant Operator/Technician (25 Ton)
AF-1601-0009

Gases
Field Analysis of Cryogenic Liquids and Gases
AF-1601-0020

GCA
GCA Radar Officer
AF-1717-0008
Special Training AN/TPN-12 (GCA)
AF-1715-0279

GEMS
Missile Guidance and Control Specialist (CGM-13B, GEMS)
AF-1715-0477
Tactical Missile Guidance Mechanic and Checkout Equipment Repairman (TM-76B, GEMS)
AF-1715-0481

General
General Purpose Automatic Transmission Maintenance
AF-1703-0012
General Purpose Vehicle Repairman
AF-1703-0006
General Purpose Vehicle Repairman (Accelerated)
AF-1703-0007

Generating
Gas Generating Plant Operator
AF-1601-0016

Generator
EMU/12E and AN/MRC-107 Generator Sets
AF-1715-0698
EMU-12/E Generator Set
AF-1715-0698
Gas Generator Plant Operator/Technician (25 Ton)
AF-1601-0009
Special Course on Radar Set AN/ALT-7 and Pulse Generator O-207/ALA-7 (Depot)
AF-1715-0420

Geodesy
Mapping, Charting, and Geodesy Officer
DD-1601-0007

Geodetic
Advanced Geodetic Surveying
DD-1601-0003
Geodetic Computing
DD-1601-0006
Geodetic Surveying
DD-1601-0002

German
German
AF-0602-0001
AF-0602-0004
AF-0602-0006
AF-0602-0009
DD-0602-0001
DD-0602-0002
DD-0602-0003
DD-0602-0004
DD-0602-0005
DD-0602-0006
DD-0602-0009

Global
Global Medicine
AF-0799-0001

GPA-122
AN/FPS-8 (MPS-11), FPS-6 and GPA-122 Organizational/Intermediate (O/I) Maintenance
AF-1715-0249

Graphics
Graphics Preparation and Illustration Techniques
AF-0202-0001

Greek
Greek
AF-0602-0007
AF-0602-0011
DD-0602-0001
DD-0602-0002
DD-0602-0004

Ground
Aerospace Ground Equipment Repairman
AF-1715-0605
Aerospace Ground Equipment Repair Technician
AF-1717-0012
Aircraft and Missile Ground Support Equipment Repair
AF-1717-0012
Aircraft and Missile Ground Support Equipment Repairman
AF-1715-0605
Aircraft and Missile Ground Support Equipment Repairman (Ballistic Missiles)
AF-1715-0631
Aircraft Electronic Countermeasures (ECM) Repairman (Ground Equipment)
AF-1715-0684
Aircraft Ground Equipment Repairman
AF-1715-0605
Avionics Aerospace Ground Equipment Specialist
AF-1715-0537
B-58 Ground Support Equipment, Field and Organizational Maintenance
AF-1730-0015
GAM-83 Pilot Ground Trainer Operator/Maintenance
AF-1715-0322
Ground C-E-M Maintenance Analysis Technician
AF-1113-0001
Ground Communication Equipment Repairman, CIM-10B
AF-1715-0153
Ground Communication Equipment Repairman (Light) CIM-10B
AF-1715-0153
Ground Communication Equipment Repairmen (Light) IM-99B
AF-1715-0153
Ground Communications Equipment Maintenance Technicial (Light)
AF-1715-0230
Ground Communications Equipment Maintenance Technician (Heavy)
AF-1715-0239
Ground Communications Equipment Maintenance Technician (Light)
AF-1715-0230
Ground Communications Equipment (Relay Center)
AF-1715-0552
Ground Communications Equipment Repairman, FPTS (Heavy)
AF-1715-0585
Ground Communications Equipment Repairman (Heavy)
AF-1715-0525
Ground Communications Equipment Repairman (Heavy) Receivers
AF-1715-0499
Ground Communications Equipment Repairman (Heavy) Transmitters
AF-1715-0530
Ground Communications Equipment Repairman (HF)
AF-1715-0524
Ground Communications Equipment Repairman (Light)
AF-1715-0696
Ground Communications Equipment Repairman (VHF-UHF)
AF-1715-0498
Ground Communications Equipment Technician (Light)
AF-1715-0230
Ground Communications Equipment Technician (Light)(TDDL Equipment)
AF-1715-0561
Ground Communications Equipment Technician (TDDL)
AF-1715-0561
Ground Communications Repairman (Heavy)(SSB)
AF-1715-0240
Ground ECM Specialist
AF-1715-0121
Ground Electronics Officer

AF-1715-0588
Ground Electronics Officer (ECCM)
AF-1715-0588
Ground Electronics Officer (Electronics)
AF-1715-0588
Ground Equipment Maintenance Officer
AF-1717-0021
Ground Powered and Support Equipment Repairman
AF-1715-0605
Ground Radar Systems Supervisor/Technician
AF-1715-0367
Ground Radio Communications Equipment Repairman
AF-1715-0534
Ground Radio Communications Equipment Repairman (AN/FLR-9(V))
AF-1715-0346
Ground Radio Communications Equipment Repairman (AN/FRT-49, AN/GKA-5)
AF-1715-0738
Ground Radio Communications Equipment Repairman (Long Haul Communications G/A and P/P)
AF-1715-0240
Ground Radio Communications Equipment Repairman (SLFCS)
AF-1715-0049
Ground Radio Communications Equipment Repairman (Titan II)
AF-1715-0491
Ground Radio Communications Equipment Repairman, WS-133A
AF-1715-0245
Ground Radio Communications Equipment Repairman, WS-133A/A-M
AF-1715-0245
Ground Radio Communications Equipment Repairman (WS-133A/B)
AF-1715-0358
AF-1715-0495
Ground Radio Communications Equipment Repairman WS-133B
AF-1715-0248
Ground Radio Communications Equipment Technician
AF-1715-0088
Ground Radio Communications Equipment Technician (AN/GRC-137)
AF-1715-0238
Ground Radio Communications Technician (KWT-6 SSB)
AF-1715-0243
Ground Radio Equipment Repairman (AN/FRT-49, AN/GKA-5)
AF-1715-0738
Ground Radio Maintenance Technician
AF-1715-0284
Ground Radio Maintenance Technician Fixed Stations, Communications Systems
AF-1715-0222
Ground Radio Maintenance Technician, Navigational Aids, Communications Systems
AF-1715-0285
Ground Radio Officer
AF-1715-0548
Ground Radio Operator
AF-2203-0034
Ground Radio Operator (Voice)
AF-2203-0034
Ground Radio Repairman
AF-1715-0705
Ground Radio Systems Supervisor/Technician
AF-1715-0577
Ground Safety Specialist
AF-0802-0016
Ground SHORAN Equipment Repairman
AF-1715-0513
Ground Support Air Conditioner (B-58)
AF-1701-0003
Ground Systems Maintenance Technician (OA-6943/GRC-137)
AF-1402-0028
Ground Weather Observing Procedures
AF-1304-0003
Missile Ground Support Equipment Repair Technician/Repairman (SM-65F)
AF-1704-0159
Officers Ground Electronics Orientation
AF-1715-0555

Guidance
AGM Guidance Mechanic (AGM-28A/B)
AF-1715-0649
Air Launch Guidance Mechanic (AGM-28A/B)
AF-1715-0649
Air Launch Missile Guidance Mechanic (AGM-28A/B)
AF-1715-0649
Ballistic Missile Inertial Guidance Mechanic
AF-1715-0297
Ballistic Missile Inertial Guidance Mechanic (SM-68B) (LGM-25C)
AF-1715-0297
Ballistic Missile Inertial Guidance Technician/Mechanic (SM-65F)
AF-1715-0313
Ballistic Missile Radio Guidance Mechanic (SM-65D)
AF-1715-0317
Ballistic Missile Radio Guidance Mechanic (SM-68A)
AF-1715-0302
Defense Missile Guidance Mechanic—Falcon (AIM)
AF-1715-0635
Defense Missile Guidance Mechanic (GAR)
AF-1715-0139
Defense Missile Guidance Mechanic (GARS)
AF-1715-0635
Defense Missile Guidance Mechanic, IM-99A
AF-1715-0309
Defense Missile Guidance Mechanic, IM-99B
AF-1715-0308
Defense Missile Guidance Mechanic/Technician, IM-99B
AF-1715-0314
Defense Missile Guidance Technician (GAR-1/2/11)
AF-1715-0650
Electronic Digital Data Processing Equipment Repairman (Ballistic Missile Guidance Computer) (SM-65D)
AF-1715-0701
F-111 Communications Guidance Test Stations Technician
AF-1715-0098
GAM Guidance Mechanic, GAM-77
AF-1715-0649
Guidance and Control Officer (RIGS) (HGM-25A)
AF-1715-0672
Guidance and Control Officer (RIGS) (SM-68A)
AF-1715-0672
Guidance Control Officer (Computer)(SM-68)
AF-1715-0037
Guidance Control Officer (RIGS) (SM-68)
AF-1715-0672
Guidance Control Officer (SM-65)
AF-1715-0645
Guidance System Analyst (GAM-63 Missile D/A)
AF-1715-0379
Guidance System Analyst, SM-62
AF-1715-0381
Guidance System Mechanic (TM-61)
AF-1715-0601
Guidance System Mechanic (TM-76B)
AF-1715-0481
Guidance Systems Analyst (TM-76A)
AF-1714-0005
Guidance Systems Mechanic (Ballistic Missile Inertial)
AF-1715-0327
Guidance Systems Mechanic (GAR-1)
AF-1715-0635
Guidance Systems Mechanic (GAR-1/2/3)
AF-1715-0635
Guidance Systems Mechanic (GAR-3)
AF-1715-0325
Guidance Systems Mechanic (GARS)
AF-1715-0635
Guidance Systems Mechanics
AF-1715-0326
Guidance Systems Mechanic (SM-65, 68)
AF-1715-0508
Guidance Systems Mechanic/Technician GAM-77
AF-1715-0147
Guidance Systems Mechanic (TM-61C)
AF-1715-0463
Guidance Systems Officer
AF-1715-0648
Guidance Systems Officer (Surface-to-Surface) (TM-61C)
AF-1715-0648
Guidance Systems Technician (GAR-1)
AF-1715-0650
Guidance Systems Technician (GAR-1/2)
AF-1715-0650
Guidance Systems Technician (GAR-1/2/11)
AF-1715-0650
Guidance System Technician/Mechanic (SM-65F)
AF-1715-0313
Guidance System Technician (SM68)
AF-1704-0126
Missile Guidance and Control Specialist (AGM-28)
AF-1715-0649
Missile Guidance and Control Specialist (AGM-28A/B)
AF-1715-0649
Missile Guidance and Control Specialist (AGM/AIM)TAC
AF-1715-0712
Missile Guidance and Control Specialist (AIM) (ADC)
AF-1715-0671
Missile Guidance and Control Specialist (CGM-13B, FCC)
AF-1715-0172

Missile Guidance and Control Specialist (CGM-13B, GEMS)
AF-1715-0477
Missile Guidance and Control Specialist (CGM-13B, GSC)
AF-1715-0481
Missile Guidance and Control Specialist (LGM-25)
AF-1715-0137
Missile Guidance and Control Speicalist (AIM)
AF-1715-0671
Missile Guidance and Control Technician (AGM/AIM TAC SEA)
AF-1715-0691
Pilotless Aircraft Guidance and Control Officer
AF-1715-0648
Radio Inertial Ground Guidance Familiarization (SM-65D)
AF-1715-0608
Tactical Missile Guidance Mechanic and Checkout Equipment Repairman (TM-76B, GEMS)
AF-1715-0481
Tactical Missile Guidance Mechanic (CGM-13B)
AF-1715-0481
Tactical Missile Guidance Mechanic (CGM-13B/GEMS)
AF-1715-0477
Tactical Missile Guidance Mechanic (MACE, CGM-13B/GEMS)
AF-1715-0477
Tactical Missile Guidance Mechanic (MACE, MGM-13C)
AF-1715-0481
Tactical Missile Guidance Mechanic (MGM-13A)
AF-1715-0484
Tactical Missile Guidance Mechanic (TM-76A)
AF-1715-0484
Tactical Missile Guidance Mechanic (TM-76B/GEMS)
AF-1715-0477
Tactical Missile Guidance Mechanic (TM-76B, GSC)
AF-1715-0481

Guided Missile
Guided Missile Maintenance Officer (TM-76A)
AF-1715-0647
Guided Missile Operations/Maintenance Officer (Ballistic Missiles)
AF-1715-0663
Guided Missile Operations/Maintenance Officer (SM-68)
AF-1714-0011
Guided Missile Operations Officer (TM-76A)
AF-1715-0133
Guided Missile Operations Officer (TM-76B)
AF-1715-0658
Guided Missile Operations Staff Officer, IM-99
AF-2203-0014

Gunlaying
Flexible Gunnery Training Gunlaying System Mechanic Gunner, B-36
AF-1606-0098
Gunlaying System Mechanic, B-36
AF-1715-0041
Gunlaying System Mechanic, B-47
AF-1715-0040
Gunlaying System Mechanic Gunner, B-36
AF-1606-0098

Gunner
Aircraft Electrician Gunner, B-36
AF-1704-0158
Flexible Gunnery Training Gunlaying System Mechanic Gunner, B-36
AF-1606-0098
Flexible Gunnery Training Turret System Mechanic Gunner, B-36
AF-1606-0095
Gunlaying System Mechanic Gunner, B-36
AF-1606-0098
Helicopter Gunner
AF-1606-0035
Medium Bombardment Conventional, B-29 Four-Engine Transition (Scanner Gunner)
AF-1606-0042
Turret Systems Gunner (A-3A/MD-9 Turrets)
AF-1715-0205
Turret Systems Gunner (B-36)
AF-1606-0097
Turret Systems Gunner, B-52(A-3A)
AF-1715-0205
Turret Systems Gunner, B-66 (MD-1)
AF-1715-0206

Gunnery
Fighter Gunnery Instructor
AF-1606-0142
Flexible Gunnery Training Gunlaying System Mechanic Gunner, B-36
AF-1606-0098
Flexible Gunnery Training Turret System Mechanic Gunner, B-36
AF-1606-0095
Gunnery Trainer Specialist
AF-1715-0216
Gunnery Trainer Specialist (AN/APG-T1, T1A)
AF-1715-0216
Gunnery Trainer Specialist (APG-T1, T1A)
AF-1715-0216

Gunsmith
Small Arms Gunsmith Specialist
AF-2203-0026

H-1
Advanced Helicopter Pilot Training (H-1/H-3/H-43/H-53)
AF-1606-0131
H-1 Helicopter Pilot
AF-1606-0131
Helicopter Instructor Pilot (H-1, H-1N, H-1F, CH-3, CH-53, HH-53)
AF-1606-0066
Instructor Helicopter Flight Mechanic (H-1, H-3, H-53
AF-1606-0002

H-13
Helicopter Pilot Training (H-13, H-19 and H-21)
AF-1606-0006

H-19
Helicopter Pilot Instructer Training (H-19/H-21)
AF-1406-0016
Helicopter Pilot Training (H-13, H-19 and H-21)
AF-1606-0006
Helicopter Pilot Training, H-19/H-21
AF-1606-0006
Helicopter Pilot Training, H-19/H-21/H-43B
AF-1606-0006
Undergraduate Pilot Training Helicopter (H-19/H-43B or H-19/CH-3C)
AF-1606-0006

H-19/CH-3C
Undergraduate Pilot Training Helicopter (H-19/H-43B or H-19/CH-3C)
AF-1606-0006

H-19/H-21
Helicopter Pilot Training, H-19/H-21
AF-1606-0006
Helicopter Pilot Training, H-19/H-21/H-43B
AF-1606-0006

H-19/H-3
Helicopter Pilot Training (H-19/H-43)(H-19/H-3)
AF-1606-0007

H-19/H-43
Helicopter Pilot Training (H-19/H-43)(H-19/H-3)
AF-1606-0007

H-19/H-43B
Undergraduate Pilot Training Helicopter (H-19/H-43B or H-19/CH-3C)
AF-1606-0006

H-1F
Helicopter Instructor Pilot (H-1, H-1N, H-1F, CH-3, CH-53, HH-53)
AF-1606-0066
Helicopter Pilot Conversion Training (H-1F)
AF-1606-0113
Helicopter Pilot Conversion Training, (H-1F/H-43)(H-1F/CH-3)
AF-1606-0112
Helicopter Pilot Transition Training (CH-3, H-43, H-1F)
AF-1606-0111

H-1F/CH-3
Helicopter Pilot Training (H-1F/H-1F)(H-1F/CH-3)(H-1F/H-43)
AF-1606-0009

H-1F/H-1F
Helicopter Pilot Training (H-1F/H-1F)(H-1F/CH-3)(H-1F/H-43)
AF-1606-0009

H-1F/H-43
Helicopter Pilot Training (H-1F/H-1F)(H-1F/CH-3)(H-1F/H-43)
AF-1606-0009

H-1N
Helicopter Instructor Pilot (H-1, H-1N, H-1F, CH-3, CH-53, HH-53)
AF-1606-0066

H-21
Helicopter Pilot Training (H-13, H-19 and H-21)
AF-1606-0006

H-3
Helicopter Mechanic Flying (H-3) Basic
AF-1606-0037
Instructor Helicopter Flight Mechanic (H-1, H-3, H-53
AF-1606-0002
Instructor Helicopter Flight Mechanic (H-3,H-53)
AF-1606-0002
Pilot Advanced Flying (H-3) Basic
AF-1606-0036

H-43
H-43 Firefighting AF-1606-0129
Helicopter Pilot Transition Training (CH-3, H-43, H-1F) AF-1606-0111

H-43B
Helicopter Instructor Training (H-43B) AF-1406-0012

H-43/TH-IF/CH-3
Helicopter Pilot Instructor Training (H-43/TH-IF/CH-3) AF-1606-0068

H-53
Helicopter Mechanic Flying (H-53) Basic AF-1606-0037
Instructor Helicopter Flight Mechanic (H-1, H-3, H-53 AF-1606-0002
Pilot Advanced Flying (H-53) Basic AF-1606-0036

Hamilton
Hamilton Standard Propeller, C-119 Installation AF-1704-0127

Hardened Missile
Cable Splicing Specialist (Hardened Missile Systems) AF-1714-0018

Hausa
Hausa AF-0602-0002

HC-130
Advanced Aircraft Loadmaster (HC-130 ARRS AF-1606-0028
Flight Engineer Advanced Flying (HC-130) ARRS AF-1606-0027
HC-130 Advanced Loadmaster AF-1606-0028
HC-130 Aircraft Commander (Aircrew Training) AF-1606-0026
HC-130 Aircrew Instructor Training AF-1606-0149
HC-130 Flight Engineer AF-1606-0027
HC-130 Flight Engineer (Aircrew Training) AF-1606-0027
HC-130 Loadmaster (Aircrew Training) AF-1606-0028
HC-130 Navigator (Aircrew Training) AF-1606-0025
HC-130 Radio Operator Advanced Flying AF-1606-0024
HC-130 Radio Operator (Aircrew Training AF-1606-0024
Navigator Advanced Flying (HC-130) ARRS AF-1606-0025
Pilot Advanced Flying (HC-130) ARRS AF-1606-0026
Radio Operator (HC-130) ARRS AF-1606-0024

Health
Environmental Health Specialist AF-0707-0008
Health Services Administration AF-1401-0017
Health Services Administration—Advanced AF-1408-0068

Heat
Heat Treatment and Electroplating of Metals AF-1723-0003
Heat Treatment of Ferrous and Non-Ferrous Metals AF-1723-0003

Heating
Central Heating Plant Specialist AF-1701-0005
Heating Plant Management and Supervision AF-1408-0020
Heating Specialist AF-1701-0004
Heating Systems Specialist AF-1701-0004

Hebrew
Hebrew AF-0602-0007 AF-0602-0011

Helicopter
Advanced Helicopter Pilot Training AF-1606-0036
Advanced Helicopter Pilot Training (H-1/H-3/H-43/H-53) AF-1606-0131
Advanced Helicopter Training AF-1606-0128
H-1 Helicopter Pilot AF-1606-0131
Helicopter Aircrew Training AF-1606-0035
Helicopter Firefighter Training (H-43/UH-IN) AF-1728-0036
Helicopter Gunner AF-1606-0035
Helicopter Instructor Pilot (H-1, H-1N, H-1F, CH-3, CH-53, HH-53) AF-1606-0066
Helicopter Instructor Pilot Training AF-1606-0063
Helicopter Instructor Training (H-43B) AF-1406-0012
Helicopter Maintenance Officer AF-1704-0120
Helicopter Mechanic AF-1704-0079
Helicopter Mechanic Advanced Flying (HH-53) ARRS AF-1606-0037
Helicopter Mechanic, CH-3C AF-1704-0117
Helicopter Mechanic, CH/HH-3 AF-1704-0117
Helicopter Mechanic (Flight) AF-1606-0035
Helicopter Mechanic Flying (H-3) Basic AF-1606-0037
Helicopter Mechanic Flying (H-53) Basic AF-1606-0037
Helicopter Mechanic HH-1H AF-1704-0029
Helicopter Mechanic, HH-43B AF-1704-0096
Helicopter Mechanic (HH-53) AF-1704-0028
Helicopter Mechanic, Rotary Wing AF-1704-0079
Helicopter Mechanic, UH-1F AF-1704-0093
Helicopter Mechanic, UH-1H(VNAF I and M) AF-1704-0029
Helicopter Mechanic (UH-1N) AF-1704-0095
Helicopter Pilot Conversion Training (H-1F) AF-1606-0113
Helicopter Pilot Conversion Training, (H-1F/H-43)(H-1F/CH-3) AF-1606-0112
Helicopter Pilot Instructor Training (H-19/H-21) AF-1406-0016
Helicopter Pilot Instructor Training (H-43/TH-IF/CH-3) AF-1606-0068
Helicopter Pilot Training (CH-36) AF-1606-0010
Helicopter Pilot Training (H-13, H-19 and H-21) AF-1606-0006
Helicopter Pilot Training, H-19/H-21 AF-1606-0006
Helicopter Pilot Training, H-19/H-21/H-43B AF-1606-0006
Helicopter Pilot Training (H-19/H-43B)(H-19/CH-3C) AF-1606-0008
Helicopter Pilot Training (H-19/H-43)(H-19/H-3) AF-1606-0007
Helicopter Pilot Training (H-1F/H-1F)(H-1F/CH-3)(H-1F/H-43) AF-1606-0009
Helicopter Pilot Transition Training (CH-3, H-43, H-1F) AF-1606-0111
Helicopter Pilot Transition Training (TH-1) AF-1606-0091
Instructor Helicopter Flight Mechanic (H-1, H-3, H-53 AF-1606-0002
Instructor Helicopter Flight Mechanic (H-3,H-53) AF-1606-0002
Instrument Pilot Instructor (Helicopter) AF-1406-0029
Undergraduate Pilot Training Helicopter (H-19/H-43B or H-19/CH-3C) AF-1606-0006
Undergraduate Pilot Training Helicopter (T-28) AF-1606-0005

Helium
Joy Helium Compressor Field and Organizational (F & O) AF-1601-0029

HF
Special Radio Maintenance Technician HF Liaison Equipment AN/ARC-21 AF-1715-0078
Special Training, AN/ARC-21 HF Liaison Equipment AF-1715-0078

HF Radio
Special Training, AN/ARC-58 Single Sideband HF Radio Set AF-1715-0083

HGM-16F
Ballistic Missile Analyst Specialist (HGM-16F) AF-1715-0295
Liquid Fuel Systems Maintenance

Specialist (HGM-16F) AF-1601-0028
Missile Facilities Specialist (HGM-16F) AF-1715-0437
Missile Launch/Missile Officer (Atlas HGM-16F) AF-1715-0636
Nuclear Weapons Specialist (Re-Entry Vehicle) (HGM-16F) AF-1715-0640

HGM-25
Liquid Fuel Systems Maintenance Specialist (HGM-25) AF-1601-0032

HGM-25A
Ballistic Missile Analyst Specialist (HGM-25A) AF-1715-0662
Ballistic Missile Checkout Equipment Specialist (HGM-25A) AF-1715-0173
Ballistic Missile Control Mechanic (HGM-25A) AF-1715-0321
Guidance and Control Officer (RIGS) (HGM-25A) AF-1715-0672
Missile Engine Mechanic (HGM-25A) AF-1704-0136
Missile Facilities Specialist (HGM-25A) AF-1715-0436
Missile Mechanic (HGM-25A) AF-1704-0155
Missile Pneudraulic Repairman (HGM-25A) AF-1704-0113

HH-1H
Helicopter Mechanic HH-1H AF-1704-0029

HH-3E
Helicoter Mechanic Advanced Flying (HH-3E) ARRS AF-1606-0037
Pilot Advanced Flying (HH-3E) ARRS AF-1606-0036

HH-43
Pilot Advanced Flying (HH-43) ARRS AF-1606-0128

HH-43B
Helicopter Mechanic, HH-43B AF-1704-0096

HH-53
Automatic Flight Control System Technician (HH-53) AF-1715-0330
Electrical Repair Technician (HH-53) AF-1715-0586
Helicopter Instructor Pilot (H-1, H-1N, H-1F, CH-3, CH-53, HH-53) AF-1606-0066
Helicopter Mechanic Advanced Flying (HH-53) ARRS AF-1606-0037
Helicopter Mechanic (HH-53) AF-1704-0028
Pilot Advanced Flying (HH-53) ARRS AF-1606-0036
Pneudrualic Repairman (HH-53) AF-1704-0161

High
High Reliability Soldering and Connections AF-1715-0728
High Speed Paper Tape Reader and Punch/DSSCS AF-1715-0394
High Value Soldering and Microelectronic Repair Techniques AF-1715-0388
Welding of High Performance Aircraft and Missile Systems AF-1723-0005

Hindi
Hindi/Urdu
AF-0602-0007
AF-0602-0011

Histopathology
Histopathology/Cytotechnology Specialist AF-0702-0006

Historian
Unit Historian Development AF-2203-0007

HM4118
HM4118 Computer Display Equipment (407L) AF-1715-0052
HM4118 Computer Programmer Tactical and Control System AF-1402-0033
HM4118 Electronic Computer Repairman/Operator/407L AF-1715-0392

HN-10 MUX
HN-10 MUX O/I Maintenance AF-1715-0036

Honeycomb
Bonded Honeycomb and Structural Sealing (B-52/KC-135) AF-1704-0025
Repair of Bonded and Brazed Honeycomb Structures (B-58) AF-1704-0025
Repair of Bonded Honeycomb Structures AF-1704-0025

Hospital
Executive Hospital Housekeeper AF-0902-0001
Senior Hospital Administration AF-0799-0002

Household
Passenger and Household Goods Specialist
AF-0419-0008
AF-0419-0025

Housekeeper
Executive Hospital Housekeeper AF-0902-0001

HTM-25B
Missile Launch/Missile Officer (Titan I, HTM-25B) AF-1715-0670

Human
Human Relations Advisor AF-1513-0001

Hungarian
Hungarian
AF-0602-0007
AF-0602-0011
DD-0602-0001
DD-0602-0002
DD-0602-0003

Hydraulic
Aircraft and Hydraulic Repairman AF-1704-0041
Aircraft and Missile Hydraulic Repairman AF-1704-0041
Aircraft and Missile Hydraulic Technician AF-1704-0014
Aircraft Hydraulic Repairman AF-1704-0041
Aircraft Hydraulic Repairman B-52 AF-1704-0098
Aircraft Hydraulic Repairman B-52G AF-1704-0098
Aircraft Hydraulic Repairman, C-130A AF-1704-0100
Aircraft Hydraulic Repairman, F-100D/F AF-1704-0065
Aircraft Hydraulic Repairman, F-102A AF-1704-0124
Aircraft Hydraulic Technician AF-1704-0014
KC-135 Aircraft Hydraulic Repairman AF-1704-0118
KC-135 Aircraft Repairman, Hydraulic AF-1704-0118
Missile Hydraulic Repairman/Technician (SM-68) AF-1704-0177

Hygiene
Industrial Hygiene Measurements AF-0707-0006
Military Aspects of Sanitary and Industrial Hygiene Engineering AF-0707-0001

Identification
Identification/Air Tactics (SAGE)
AF-2203-0008
AF-2203-0028
Space Object Identification Analyst AF-1304-0011
Space Object Identification Analyst/Technician AF-1715-0218

IDHS 1410 FFS
IDHS 1410 FFS Operations and Specifications II AF-1402-0043

IFF
Aircraft Control and Warning Radar Repairman (AN/CPS-1, AN/CPS-4, AN/CPS-5 and IFF) AF-1715-0104
Aircraft Control and Warning Radar Repairman (AN/CPS-6B and IFF) AF-1715-0023
Special Training, AN/CPS-6B and Mark X IFF AF-1715-0404

Igbo
Igbo AF-0602-0001

Illustration
Graphics Preparation and Illustration Techniques AF-0202-0001

ILS
Flight Facilities Equipment Repairman (ILS) AF-1715-0632

IM-99
Fuel Supply Specialist, IM-99 AF-1405-0024
Guided Missile Operations Staff Officer, IM-99 AF-2203-0014
Missile Engine Mechanic, IM-99 AF-1704-0132

IM-99A
Control Systems Mechanic, IM-99A
AF-1715-0144
Defense Missile Guidance Mechanic, IM-99A
AF-1715-0309

IM-99B
Control Systems Mechanic, IM-99B
AF-1715-0145
Defense Missile Checkout Equipment Technician, IM-99B
AF-1715-0310
Defense Missile Control Mechanic/Technician, IM-99B
AF-1715-0643
Defense Missile Guidance Mechanic, IM-99B
AF-1715-0308
Defense Missile Guidance Mechanic/Technician, IM-99B
AF-1715-0314
Ground Communication Equipment Repairmen (Light) IM-99B
AF-1715-0153
Missile Facilities Specialist, IM-99B
AF-1715-0429
Missile Mechanic/Maintenance Technician, IM-99B
AF-1704-0149
Missile Test Equipment Technician (Control), IM-99B
AF-1715-0338
Missile Test Equipment Technician (Guidance), IM-99B
AF-1715-0310
Ramjet Engine Mechanic, RJ-43, IM-99B
AF-1704-0077

Imagery
Imagery Intelligence Officer
AF-1606-0061
Imagery Interpretation
AF-1709-0014
Imagery Interpreter Specialist
AF-1709-0015
Navy Specialized Imagery Interpretation
AF-1709-0016

Immunology
Allergy and Immunology Specialist
AF-0709-0006

Indicator
F-111 Indicator and Controls Test Stations Technician
AF-1715-0183

Indicators
F-111 Indicators and Modules Test Station Technician
AF-1715-0718

Indonesian
Indonesian
AF-0602-0007
AF-0602-0011
DD-0602-0002
DD-0602-0003
DD-0602-0004
Indonesian—Malay
DD-0602-0002

Indonesian—Malay
Indonesian—Malay
DD-0602-0002

Industrial
Industrial College of the Armed Forces (Resident Program)
DD-1511-0003
Industrial Engineering Techniques
AF-1601-0023
Industrial Hygiene Measurements
AF-0707-0006
Industrial Photo Interpretation and Bomb Damage Assessment
AF-1606-0053
Industrial Property Administration (JT)
AF-0326-0001
Industrial Security Specialist
DD-1728-0001
Military Aspects of Sanitary and Industrial Hygiene Engineering
AF-0707-0001
National Security Management (Correspondence Course of the Industrial College of the Armed Forces)
DD-1511-0001

Industry
Industry Financial Management
DD-1408-0003

Inertial
Aircraft Inertial and Radar Navigation Systems Repairman
AF-1715-0027
Aircraft Inertial and Radar Navigation Systems Repairman (AN/APN-81/89A/99A Doppler)
AF-1715-0026
Aircraft Inertial and Radar Navigation Systems Repairman (AN/APN-89/99/108 Doppler)
AF-1715-0026
Aircraft Inertial and Radar Navigation Systems Repairman (RF-4C Supplement)
AF-1715-0022
Avionic Inertial and Radar Navigation Systems Specialist
AF-1715-0027
Avionic Inertial and Radar Navigation Systems Technician (AN/APN-81-89A/99A Doppler)
AF-1715-0024
Ballistic Missile Inertial Guidance Mechanic
AF-1715-0297
Ballistic Missile Inertial Guidance Mechanic (SM-65E and F)
AF-1715-0171
Ballistic Missile Inertial Guidance Mechanic (SM-68B) (LGM-25C)
AF-1715-0297
Ballistic Missile Inertial Guidance Mechanic/Technician (SM-68B)
AF-1715-0154
Ballistic Missile Inertial Guidance Technician/Mechanic (SM-65F)
AF-1715-0313
Guidance Systems Mechanic (Ballistic Missile Inertial)
AF-1715-0327
Radio Inertial Ground Guidance Familiarization (SM-65D)
AF-1715-0608

Inflight
Inflight Refueling Specialist
AF-1704-0044
AF-1704-0142
Inflight Refueling Systems Repairman
AF-1704-0044
KC-135 In-Flight Refueling Specialist
AF-1704-0121

Information
Advanced Information Specialist
DD-0504-0002
Information Enlisted
DD-0504-0004
Information Officer
DD-0504-0009
Information Officer Basic
DD-0504-0009
Information Officer (Reserve Component)
DD-0504-0011
Information Security Management
DD-1728-0002
Information Specialist
DD-0504-0004
Information Specialist (Broadcaster)
DD-0505-0001
Information Specialist (Journalist)
DD-0504-0001
Maintenance Management and Information Systems
AF-1408-0013
Public Information Enlisted
DD-0504-0008
Public Information Officer
DD-0504-0007
Shipboard Information, Training and Entertainment (SITE) System Operators (Television Afloat)
DD-0504-0010
Troop Information and Education Enlisted
DD-0504-0005
Troop Information and Education Officer
DD-0504-0006

Initial
Initial Provisioning
AF-1405-0035

Input
Electronic Digital Data Processing Repairman (Input-Output/465L Concentrator)
AF-1715-0109
Electronic Digital Data Processing Repairman (Input-Output/465L RCC Ancillary)
AF-1715-0446

Inside
Inside Plant, Installation
AF-1714-0019

Inspection
Non-Destructive Inspection Specialist
AF-1724-0003
Non-Destructive Inspection Technician
AF-1601-0027
Supply Inspection Technician
AF-1405-0054

Inspector
Supply Inspector
AF-1405-0041

Instruction
Criterion Referenced Instruction (CRI) Workshop
AF-1406-0009

Instructional
Instructional Programmer
AF-1406-0024
Instructional Systems Materials Development
AF-1406-0024

Instructor
Academic Instructor
AF-1406-0034
ATC Instructor Training
AF-1406-0039
AF-1406-0041
ATC Instructor Training (Navigator)

AF-1406-0039
Basic Pilot Instructor, Multi-Engine Conventional
AF-1606-0141
Combative Measures Instructor Training
AF-0803-0001
Disaster Control Instructor
AF-0802-0001
Fighter Gunnery Instructor
AF-1606-0142
Fighter Weapons Instructor
AF-1406-0017
Flight Training Devices Instructor Operator
AF-1704-0169
HC-130 Aircrew Instructor Training
AF-1606-0149
Helicopter Instructor Pilot (H-1, H-1N, H-1F, CH-3, CH-53, HH-53)
AF-1606-0066
Helicopter Instructor Pilot Training
AF-1606-0063
Helicopter Instructor Training (H-43B)
AF-1406-0012
Helicopter Pilot Instructor Training (H-19/H-21)
AF-1406-0016
Helicopter Pilot Instructor Training (H-43/TH-IF/CH-3)
AF-1606-0068
Instructor Helicopter Flight Mechanic (H-1, H-3, H-53
AF-1606-0002
Instructor Helicopter Flight Mechanic (H-3,H-53)
AF-1606-0002
Instructor Interceptor, Jet (F-86D/L)
AF-1606-0123
Instructor Management Training
AF-1406-0026
Instructor Training for Aircraft Observer
AF-1406-0039
Instrument Pilot Instructor (Helicopter)
AF-1406-0029
Instrument Pilot Instructor Training (T-29)
AF-1406-0019
Instrument Pilot Instructor Training (T-33)
AF-1406-0020
Instrument Pilot Instructor Training (T-38)
AF-1606-0011
Instrument Pilot Instructor Training (T-38/T-39)
AF-1606-0011
Instrument Pilot Instructor Training (T-39)
AF-1606-0011
Instrument Trainer Instructor—Operator
AF-1704-0168
Interceptor Pilot Instructor Training (F-102)
AF-1606-0096
Interceptor Weapons Instructor School (F-89D)
AF-1406-0014
Interceptor Weapons Instructor School (F-94C)
AF-1406-0013
Marksmanship Instructor
AF-2203-0001
Military Training Instructor
AF-1512-0002
Navigator Instructor Training
AF-1406-0039
OTS Instructor Training
AF-1406-0027
Passive Defense Instructor
AF-0802-0004
Pilot Instructor Training (Basic)
AF-1406-0008
Pilot Instructor Training, Basic Multi-Engine (T-28)
AF-1606-0144
Pilot Instructor Training-Basic Single-Engine (Jet)
AF-1406-0008
Pilot Instructor Training, Primary (T-34/T-28)
AF-1512-0001
Pilot Instructor Training (T-28)
AF-1406-0015
Pilot Instructor Training (T-33)
AF-1406-0008
Pilot Instructor Training (T-37)
AF-1406-0021
Pilot Instructor Training (T-38)
AF-1406-0010
AF-1606-0101
Pilot Instructor Training (T-41)
AF-1406-0011
Survival Instructor Training
AF-0802-0018
Technical Instructor
AF-1406-0023
AF-1406-0030
USAF Instrument Pilot Instructor, Conventional (B-25)
AF-1406-0019
USAF Instrument Pilot Instructor Training (Jet)
AF-1406-0020
USAF Instrument Pilot Instructor Training (Reciprocating)
AF-1406-0019
USAF Instrument Pilot Instructor Training (Reciprocating Engine)
AF-1406-0019

Instrument
Avionics Instrument Specialist (Lateral)
AF-1715-0176
Avionics Instrument Systems Specialist
AF-1715-0462
Avionics Instrument Systems Technician
AF-1715-0703
Electronic Instrument Trainer Specialist (C-11 Type)
AF-1715-0653
Electronic Instrument Trainer Specialist (P & Z)
AF-1715-0655
Electronic Instrument Trainer Specialist (Z & P Types)
AF-1715-0655
Instrument Pilot Instructor (Helicopter)
AF-1406-0029
Instrument Pilot Instructor Training (T-29)
AF-1406-0019
Instrument Pilot Instructor Training (T-33)
AF-1406-0020
Instrument Pilot Instructor Training (T-38)
AF-1606-0011
Instrument Pilot Instructor Training (T-38/T-39)
AF-1606-0011
Instrument Pilot Instructor Training (T-39)
AF-1606-0011
Instrument Pilot, Jet
AF-1606-0078
Instrument Pilot Training (C-47)
AF-1606-0119
Instrument Repairman
AF-1721-0001
Instrument Repair Technician
AF-1721-0002
Instrument Trainer Instructor—Operator
AF-1704-0168
Instrument Trainer Specialist
AF-1715-0531
Instrument Trainer Specialist (C-11)
AF-1715-0653
Instrument Trainer Specialist (P)
AF-1715-0655
Instrument Trainer Specialist (P & Z)
AF-1715-0655
Mechanical Instrument Trainer Specialist
AF-1715-0520
Optical Survey Instrument Repair
DD-1721-0001
Special Radio Maintenance Technician AN/MRN-7 and AN/MRN-8 Instrument Landing System
AF-1715-0084
Terminal Instrument Procedures
AF-1704-0164
USAF Instrument Pilot Instructor, Conventional (B-25)
AF-1406-0019
USAF Instrument Pilot Instructor Training (Jet)
AF-1406-0020
USAF Instrument Pilot Instructor Training (Reciprocating)
AF-1406-0019
USAF Instrument Pilot Instructor Training (Reciprocating Engine)
AF-1406-0019

Instrumentation
Control Room Instrumentation, Jet Engine Test Facility
AF-1715-0097
Instrumentation Mechanic
AF-1715-0686
AF-1715-0719

Integrated
Air Force Integrated Command and Control System Computer Programmer
AF-1402-0034
Integrated Avionics Component Specialist (Navigation/Flight and Weapons Control)
AF-1715-0476
Integrated Avionics Component Specialist (Navigation/Flight and Weapons Control, and Flight Data Recorder Systems)
AF-1715-0476
Integrated Avionics System Specialist (Inertial/Bomb Navigation, Fire/Weapon Control, Digital Computers, Airborne Photographic Systems, and Multi-Sensor Displays)
AF-1715-0210
Integrated Avionics System Specialist (Navigation/Flight and Weapons Control)
AF-1715-0476
Integrated Avionic Systems Specialist
AF-1715-0186
AF-1715-0511

Intelligence
Advanced Aerospace Photo Intelligence

AF-1606-0047

Air Intelligence Airman
AF-1606-0059

Air Intelligence Officer
AF-1606-0052
AF-1606-0054
AF-1606-0055

Defense Intelligence Course
DD-1511-0004

Electronic Intelligence Operations Specialist
AF-1715-0551

Flak Intelligence Officer
AF-2203-0050

Imagery Intelligence Officer
AF-1606-0061

Intelligence Area Studies (SEA)
AF-1601-0042

Intelligence Officer
AF-1606-0052

Intelligence Operations Specialist
AF-1606-0059
AF-1606-0060

Intelligence Operations Technician
AF-1606-0021
AF-1606-0062

Intelligence Photo-Radar Officer
AF-1606-0061
AF-1709-0017
AF-1709-0021

Intelligence Precision Photographic Officer
AF-1606-0056

National Senior Intelligence
DD-1606-0001

Naval Intelligence Officer
AF-1606-0001

Postgraduate Intelligence Course
DD-1511-0004

Intelligenceman

Photographic Intelligenceman
AF-1606-0059

Inter-American

Inter-American Defense College
DD-1511-0005

Intercept

Advanced Observer Intercept
AF-1606-0046

Advanced Observer, Intercept Training
AF-1606-0046

Electronic Intercept Operations/Analysis Specialist
AF-1715-0551

Electronic Intercept Operations Specialist
AF-1715-0229

Electronic Intercept Operations Specialist (Interim)
AF-1715-0554

Intercept Direction (SAGE)
AF-2203-0027
AF-2203-0029

Intercept Operator (Preparatory)
AF-1409-0001

Intercept Systems Maintenance Technician
AF-1715-0070

Morse Intercept Operator
AF-1404-0002

Navigator Radar Intercept
AF-1606-0045

Non-Morse Intercept Operator Preparatory
AF-1409-0001

Radar Intercept Officer Training
AF-1606-0045

Radar Intercept Officer Training (MG-12/13)
AF-1606-0045

Radio Intercept Operator
AF-1404-0002

Interceptor

All-Weather Interceptor, Jet (F-86D)
AF-1606-0108

Instructor Interceptor, Jet (F-86D/L)
AF-1606-0123

Interceptor Controller Training
AF-1715-0620

Interceptor, F-86D/L
AF-1606-0108

Interceptor Pilot Instructor Training (F-102)
AF-1606-0096

Interceptor Pilot Training (F-102)
AF-1606-0100

Interceptor Pilot Training (F-86L)
AF-1606-0077

Interceptor Weapons Instructor School (F-89D)
AF-1406-0014

Interceptor Weapons Instructor School (F-94C)
AF-1406-0013

USAF Advanced Flying School, Interceptor (F-89D)–Pilot
AF-1606-0087

USAF Advanced Flying School, Interceptor (F-89D)—Radar Observer
AF-1606-0088

USAF Advanced Flying School (Interceptor-F-94C)—Pilot
AF-1606-0082

USAF Advanced Flying School (Interceptor-F-94C)—Radar Observer
AF-1606-0083

USAF Advanced Flying School, Interceptor (T-33/F-86L)
AF-1606-0108

USAF Advanced Interceptor Pilot Training F-86L
AF-1606-0077

USAF Combat Flying School, Interceptor (F-94C)—Pilot
AF-1606-0082

USAF Combat Flying School, Interceptor (F-94C)—Radar Observer
AF-1606-0083

USAF Combat Flying School, Interceptor (T-33/F-89D)—Pilot
AF-1606-0071

USAF Combat Flying School, Interceptor (T-33/F-89D)—Radar Observer
AF-1606-0072

USAF Combat Flying School, Interceptor (T-33/F-94C)—Pilot
AF-1606-0073

USAF Combat Flying School, Interceptor (T-33/F-94C)—Radar Observer
AF-1606-0074

Weapons Mechanic, Fighter Interceptor
AF-1715-0596

Intermediate

Defense Language Institute Intermediate Courses
DD-0602-0006

Interpretation

Defense Senor Interpretation and Applications Training (DSIAT) (Officer)
AF-1606-0048

Defense Sensor Interpretation and Applications Training (DSIAT) (Airman)
AF-1606-0051

Imagery Interpretation
AF-1709-0014

Industrial Photo Interpretation and Bomb Damage Assessment
AF-1606-0053

Navy Specialized Imagery Interpretation
AF-1709-0016

Photographic Interpretation
AF-1709-0003

Photo Interpretation Specialist
AF-1606-0050

Photo Interpretation Technician
AF-1606-0058

Interpreter

Imagery Interpreter Specialist
AF-1709-0015

Radiograph Interpreter
AF-1720-0001

Interrogator

AN/APX-76 Interrogator Field/Organizational (F/O) Maintenance
AF-1715-0342

AN/UPX-14 Interrogator Set, O/I Maintenance
AF-1715-0017

Inventory

Ballistic Missile Inventory Management and COMLOGNET Procedures
AF-1405-0022

Ballistic Missile Inventory Management Procedures and LOGBALNET Operations
AF-1405-0022

Inventory Management Specialist
AF-1405-0009

Inventory Management Supervisor
AF-1405-0011

Investigations

Reserve Special Investigations and Counterintelligence Training (Reserve Refresher)
AF-1728-0005

Special Investigations and Counterintelligence Officer
AF-1728-0020

Special Investigations and Counterintelligence Specialist
AF-1728-0020

Investigator

Reserve Special Investigator
AF-1728-0006

IRD

Jet Engine Analyzer—IRD Maintenance
AF-1715-0005

Jet Engine Analyzer—IRD Operator
AF-1715-0005

Italian

Italian
AF-0602-0001
AF-0602-0004
AF-0602-0006
DD-0602-0001
DD-0602-0002
DD-0602-0004
DD-0602-0009

Italian—Sicilian
DD-0602-0002

Italian—Sicilian

Italian—Sicilian
DD-0602-0002

J-57
J-57 Engine, Organizational Maintenance (KC-135) AF-1704-0059
J-57 Jet Engine (w/o Afterburner) Organizational Maintenance AF-1704-0018
Jet Engine Mechanic, J57 Engine Minor Overhaul and Testing AF-1704-0075
Jet Engine Technician J-57 O/I (F-100) AF-1704-0092

J57-P-23
J57-P-23 Jet Engine Field Maintenance (F-102) AF-1704-0051

J-79
J-79 Engine Field and Organizational Maintenance (F-104) AF-1704-0089
J-79 Engine, F & O Maintenance and Control System (F-104) AF-1704-0087
J-79 Engine, Organizational Maintenance and Control System, F-104 AF-1704-[illegible]5
J-79 Engine, Organizational Maintenance (F-104) AF-1704-0090
Welding of A-286 Alloy Material (J-79 Engine) AF-1710-0016

J79-15
J79-15 Engine Systems and Engine Run-Up AF-1704-0052
JEFM J79-15 Engine AF-1704-0016

J-85
Jet Engine Mechanic (J-85 Engine Repair, Build-Up, and Installation), GAM-72 AF-1704-0072

Jamming
Aircraft ECM Repairman (Jamming Equipment) AF-1715-0224
Aircraft Electronic Countermeasures Repairman (Jamming Equipment) AF-1715-0224
Aircraft Electronic Countermeasures Repairmen(Jamming Equipment) AF-1715-0224

Japanese
Japanese
AF-0602-0007
AF-0602-0012
AF-0602-0013
DD-0602-0001
DD-0602-0002
DD-0602-0003
DD-0602-0004
DD-0602-0005

JEFM
JEFM J79-15 Engine AF-1704-0016

Jet
AFS Fighter, Jet (F-100) AF-1606-0126
AFS Fighter, Jet (T-33)—Phase I AF-1606-0089
Aircraft Maintenance Specialist, Jet Aircraft One and Two Engines AF-1704-0036
Aircraft Maintenance Specialist (Jet, Over Two Engines) AF-1704-0067
Aircraft Maintenance Technician, Jet Engine Aircraft AF-1717-0006
Aircraft Maintenance Technician, Jet Engine Type Aircraft AF-1717-0006
Aircraft Mechanic (Jet Aircraft, Over Two Engines) AF-1704-0067
Aircraft Mechanic (Jet Bomber Two Engines) AF-1704-0036
Aircraft Mechanic, Jet Fighter AF-1704-0036
Aircraft Mechanic, Jet One Engine AF-1704-0036
Aircraft Mechanic (Jet, Over Two Engines) AF-1704-0067
Aircraft Mechanic (Jet, Two Engines) AF-1704-0036
Aircrew Transition—Medium Bomb-Jet (Aircraft Commander/Pilot) AF-1606-0038
All-Weather Interceptor, Jet (F-86D) AF-1606-0108
Basic Pilot Training, Single-Engine (Jet) AF-1606-0124
Flight Engineer Specialist, Jet Aircraft AF-1704-0027
Instructor Interceptor, Jet (F-86D/L) AF-1606-0123
Instrument Pilot, Jet AF-1606-0078
Jet Aircraft Mechanic AF-1704-0023
Jet Aircraft Mechanic, One and Two Engine AF-1704-0036
Jet Aircraft Mechanic, One and Two Engines AF-1704-0036
Jet Qualification AF-1606-0102
Jet Qualification Training (T-33) AF-1606-0102
Pilot Instructor Training-Basic Single-Engine (Jet) AF-1406-0008
USAF Combat Flying School, Light Bomb Jet (B-57)—Observer AF-1606-0121
USAF Combat Flying School, Light Bomb Jet (B-57)—Pilot AF-1606-0120
USAF Instrument Pilot Instructor Training (Jet) AF-1406-0020

Jet Engine
Aircraft Jet Engine Block Test Mechanic AF-1704-0050
Aircraft Jet Engine Mechanic AF-1704-0082
Control Room Instrumentation, Jet Engine Test Facility AF-1715-0097
J-57 Jet Engine (w/o Afterburner) Organizational Maintenance AF-1704-0018
J57-P-23 Jet Engine Field Maintenance (F-102) AF-1704-0051
Jet Engine Accident Investigation AF-1704-0037
Jet Engine Analyzer—IRD Maintenance AF-1715-0005
Jet Engine Analyzer—IRD Operator AF-1715-0005
Jet Engine Block Test and Vibration Analyzer
AF-1704-0015
AF-1704-0030
Jet Engine Block Test Mechanic AF-1704-0050
Jet Engine Conditioning and Vibration Analyzer (Sperry) AF-1704-0032
Jet Engine Familiarization AF-1704-0097
Jet Engine Mechanic
AF-1704-0012
AF-1704-0082
Jet Engine Mechanic (GAM-77) AF-1704-0068
Jet Engine Mechanic, J57 Engine Minor Overhaul and Testing AF-1704-0075
Jet Engine Mechanic (J-85 Engine Repair, Build-Up, and Installation), GAM-72 AF-1704-0072
Jet Engine Mechanic, T53-11A AF-1704-0026
Jet Engine Mechanic, T-58 AF-1704-0130
Jet Engine Mechanic, TF-39 AF-1704-0081
Jet Engine Mechanic (UH-1N) AF-1704-0076
Jet Engine Technician AF-1704-0078
Jet Engine Technician J-57 O/I (F-100) AF-1704-0092
Jet Engine Technician, (Repair, Build-Up, and Installation) GAM-72 AF-1704-0074
Jet Engine Technician, T64-7 AF-1704-0069
Jet Engine Vibration Analyzer Maintenance (Sperry) AF-1715-0093
Jet Engine Vibration Analyzer Operator (Sperry) AF-1704-0020

Johnson
Refrigeration and Air Conditioning Controls (Johnson) AF-1730-0005

Journalism
Electronic Journalism DD-0505-0003

Journalist
Basic Military Journalist DD-0504-0001
Information Specialist (Journalist) DD-0504-0001

JOVIAL
JOVIAL Programming AF-1402-0013

Joy
Joy Helium Compressor Field and Organizational (F & O) AF-1601-0029

Judge
Judge Advocate Staff Officer AF-1728-0027
Staff Judge Advocate AF-1728-0031

K-4
Special Training on SHORAN Equipment AN/APN-84 and Electronic Bombing Computer K-4
AF-1715-0403
Special Training on SHORAN Equipment AN/APN-84, with K-4, AN/APN-3, with K-1A and AN/APA-54(A)
AF-1715-0403

K-5
K-5 Bomb-Navigation System (B-66)
AF-1715-0410

K-5 Series
Bomb Navigation Systems Mechanic (K-5 Series)
AF-1715-0268

KC-135
Aircraft Electrical Repairman, KC-135
AF-1704-0125
B-52, C-135, and KC-135 Fuel System Repairman and Wet Wing Sealing
AF-1704-0017
Fuel Cell Repairs (B-52 and KC-135)
AF-1704-0019
J-57 Engine, Organizational Maintenance (KC-135)
AF-1704-0059
KC-135 Aircraft Electrical Repairman
AF-1704-0125
KC-135 Aircraft Hydraulic Repairman
AF-1704-0118
KC-135 Aircraft Mechanic
AF-1704-0122
KC-135 Aircraft Repairman, Hydraulic
AF-1704-0118
KC-135 Fuel System Repairman and Wet Wing Sealing
AF-1704-0175
KC-135 In-Flight Refueling Specialist
AF-1704-0121
KC-135 Mechanical Accessories and Equipment Repairman
AF-1701-0006
MC-1 Autopilot and N-1 Compass (KC-135)
AF-1715-0627

KC-97
Tanker Aircrew, KC-97
AF-1606-0015

Kellogg K-60
Automatic Central Office Equipment Technician (Kellogg K-60)
AF-1715-0685

Keying
Intermediate/Organizational (I/O) Maintenance M-28 ASR Low Level Keying
AF-1715-0710
Intermediate/Organizational (I/O) Maintenance M-37 ASR Low Level Keying
AF-1715-0125
Type 1A1 Keying Equipment Maintenance
AF-1715-0045

Korean
Korean
AF-0602-0007
AF-0602-0012
DD-0602-0001
DD-0602-0002
DD-0602-0003
DD-0602-0004
DD-0602-0005
DD-0602-0006

K-Series
Bomb Navigation Systems Mechanic (K-Series)
AF-1715-0262
Bomb Navigation Systems Technician (K-Series Computer)
AF-1715-0225
Bomb Navigation Systems Technician (K-Series Flight Line)
AF-1715-0226
K-Series Computer Technician
AF-1715-0225
K-Series Radar and Interconnection Equipment Technician
AF-1715-0212
K-Series Stabilization and Optics Technician
AF-1715-0611
K-Series System Mechanic
AF-1715-0262

KWT-6 SSB
Ground Radio Communications Technician (KWT-6 SSB)
AF-1715-0243

Laboratory
Alternate Phase II of Medical Laboratory Specialist Course
AF-0702-0006
Apprentice Dental Laboratory Specialist
AF-0701-0016
Apprentice Medical Laboratory Specialist
AF-0702-0005
Cardiopulmonary Laboratory Specialist
AF-0702-0001
Cardiopulmonary Laboratory Technician
AF-0702-0002
Clinical Laboratory Officer
AF-0702-0003
Dental Laboratory Specialist
AF-0701-0016
Dental Laboratory Technician
AF-0701-0014
Laboratory Animal Technician
AF-0102-0002
Laboratory Management of Research and Development
AF-1408-0058
Medical Laboratory Specialist, Phase I
AF-0702-0005
Medical Laboratory Specialist, Phase II
AF-0702-0007
Medical Laboratory Technician
AF-0702-0004
Motion Picture Laboratory Specialist
AF-1709-0025
Still Photographic Laboratory Specialist
AF-1709-0018

Landing
Aircraft Landing Control Operator
AF-1704-0006
Aircraft Landing Control Technician
AF-1704-0006
Apprentice Aircraft Landing Control Operator
AF-1704-0006

Language
Defense Language Institute Advanced Courses
DD-0602-0007
Defense Language Institute Aural Comprehension Courses
DD-0602-0003
Defense Language Institute Basic Courses (1954–1956)
DD-0602-0001
Defense Language Institute Basic Courses (After 1956)
DD-0602-0002
Defense Language Institute Courses—East Coast Branch
DD-0602-0009
Defense Language Institute Extended or Basic-Intermediate Courses
DD-0602-0005
Defense Language Institute Intermediate Courses
DD-0602-0006
Defense Language Institute Short Basic Courses
DD-0602-0004
Defense Language Institute Special Courses
DD-0602-0008
Defense Language Institute Support Command Courses
DD-0602-0010
Foreign Service Institute Language Programs
AF-0602-0001
AF-0602-0002
AF-0602-0003
AF-0602-0004
AF-0602-0005
AF-0602-0006
AF-0602-0007
AF-0602-0008
AF-0602-0009
AF-0602-0010
AF-0602-0011
AF-0602-0012
AF-0602-0013
National Cryptologic School Resident Language Courses
DD-0602-0011

Lao
Lao
AF-0602-0007
AF-0602-0012

Launch
Air Launch Guidance Mechanic (AGM-28A/B)
AF-1715-0649
Air Launch Missile Analyst Mechanic (AGM-28A/B
AF-1715-0454
Air Launch Missile Analyst Technician (AGM-28A/B)
AF-1715-0158
Air Launch Missile Checkout Equipment Repairman (AGM-28A/B)
AF-1715-0458
Air Launch Missile Guidance Mechanic (AGM-28A/B)
AF-1715-0649
Air Launch Missile Guidance Technician (AGM-28A/B)
AF-1715-0155
Ballistic Missile Launch Equipment Repairman (SM65E & F)
AF-1715-0435
Ballistic Missile Launch Equipment Repairman (SM-68A)
AF-1715-0178
Ballistic Missile Launch Equipment Repairman (SM-68B)
AF-1715-0179
Ballistic Missile Launch Equipment Repairman, SM-80

AF-1715-0459
Ballistic Missile Launch Equipment Repairman/Technician, SM-68B
AF-1715-0303
Ballistic Missile Launch Equipment Repairman, WS-133A
AF-1715-0459
Ballistic Missile Launch Equipment Repairman, WS-133B
AF-1715-0725
Ballistic Missile Launch Equipment Technician, SM-80
AF-1715-0305
Launch Enable System Specialist, SM-68B
AF-1715-0003
Missile Combat Crew (CGM-13B, Launch)
AF-2203-0023
Missile Launch Equipment Repairman, WS-133A
AF-1715-0459
Missile Launch Equipment Repairman, WS-133B
AF-1715-0725
Missile Launch/Missile Officer (Atlas HGM-16F)
AF-1715-0636
Missile Launch/Missile Officer (ATLAS PGM-16E)
AF-1715-0651
Missile Launch/Missile Officer (Ballistic Missiles)
AF-1715-0663
Missile Launch/Missile Officer (LGM-25)
AF-1715-0692
Missile Launch/Missile Officer (SM-65D)
AF-1715-0715
Missile Launch/Missile Officer (SM-65E)
AF-1715-0651
Missile Launch/Missile Officer (SM-65F)
AF-1715-0636
Missile Launch/Missile Officer (SM-68A)
AF-1715-0670
Missile Launch/Missile Officer, SM-68B
AF-1715-0665
Missile Launch/Missile Officer (Titan I, HTM-25B)
AF-1715-0670
Missile Launch/Missile Officer (Titan II/LGM-25)
AF-1715-0674
Missile Launch Officer (CGM-13B)
AF-1715-0658
Missile Launch Officer, LGM-25
AF-1715-0692
Missile Launch Officer (Mace, MGM-13B)
AF-1715-0660
Missile Launch Officer (MACE, MGM-13C)
AF-1715-0658
Missile Launch Officer (MGM-13A)
AF-1715-0660
Missile Launch Officer, SM-80
AF-2203-0042
Missile Launch Officer (TM-76A)
AF-1715-0660
Missile Launch Officer (TM-76B)
AF-1715-0658
Missile Launch Officer, WS-133A
AF-2203-0042
Missile Launch Officer, WS-133A-M
AF-2203-0036
Missile Launch Officer WS-133B
AF-2203-0013
Missile Test Equipment Technician/Specialist (Launch Control Systems) (SM-65F)
AF-1715-0654
Tactical Missile Launch Specialist (CGM-13B)
AF-1715-0657
Tactical Missile Launch Specialist (Mace, MGM-13C)
AF-1715-0657
Tactical Missile Launch Specialist (MGM-13A)
AF-1715-0666
AF-1715-0667
Tactical Missile Launch Specialist (MGM-13B)
AF-1715-0666
AF-1715-0667
Tactical Missile Launch Specialist (TM-76A)
AF-1715-0666
AF-1715-0667
Tactical Missile Launch Specialist (TM-76B)
AF-1715-0657

Laundry
Laundry Machine Operator
AF-1716-0004

Law
Contract Law
AF-1408-0042
Law Enforcement Specialist
AF-1728-0011

LBR
Pararescue Advanced Flying Training—LBR
AF-1606-0130

LCH Prep
Missile Mechanic (CGM-13B, LCH Prep)
AF-1715-0331
Missile Systems Analyst Specialist (CGM-13B, Lch Prep)
AF-1715-0656
Nuclear Weapons Specialist (CGM-13B, LCH Prep)
AF-2203-0047

Leather
Fabric and Leather Worker
AF-1716-0002
Fabric, Leather and Rubber Products Repairman
AF-1716-0001
Maintenance of Survival and Aircrew Protective Equipment (Fabric and Leather)
AF-1716-0003
Maintenance of Survival and Aircrew Protective Equipment (Fabric, Leather, and Rubber)
AF-1716-0003

Legal
Legal Service Specialist
AF-1728-0026

LGM-25
Electrical Power Production System Maintenance (LGM-25)
AF-1715-0575
Electrical Systems Maintenance LGM-25
AF-1715-0311
Fuel Specialist (Missile Liquid Fuel Propellant) (LGM-25)
AF-1601-0047
Liquid Fuel Systems Maintenance Specialist (LGM-25)
AF-1601-0033
Missile Electrical Specialist (LGM-25)
AF-1715-0136
Missile Electronic Equipment Specialist (LGM-25)
AF-1715-0166
Missile Engine Mechanic (LGM-25)
AF-1715-0175
Missile Facilities Specialist (LGM-25)
AF-1714-0007
AF-1714-0008
Missile Guidance and Control Specialist (LGM-25)
AF-1715-0137
Missile Launch/Missile Officer (LGM-25)
AF-1715-0692
Missile Launch Officer, LGM-25
AF-1715-0692
Missile Mechanic (LGM-25)
AF-1715-0724
Missile Pneudraulic Repairman (LGM-25)
AF-1704-0173
Missile Systems Analyst Specialist (LGM-25)
AF-1715-0376
Missile Systems Maintenance Specialist (LGM-25)
AF-1715-0137
Plumbing System Maintenance (LGM-25)
AF-1710-0001

LGM-25C
Ballistic Missile Analyst Specialist (LGM-25C)
AF-1715-0376
Ballistic Missile Inertial Guidance Mechanic (SM-68B) (LGM-25C)
AF-1715-0297
Liquid Fuel Systems Maintenance Specialist (LGM-25C)
AF-1601-0014
AF-1601-0033
Missile Mechanic (LGM-25C)
AF-1715-0724
Missile Pneudraulic Repairman (LGM-25C)
AF-1704-0173

LGM-30
Nuclear Weapons Specialist (Re-Entry Vehicle, LGM-30, Mk 11)
AF-1715-0568

LGM-30C
Nuclear Weapons Specialist (Re-Entry Vehicle) (LGM-30C, MK 11)
AF-1715-0568
AF-1715-0603

Liaison
Airplane and Engine Mechanic, Liaison Types
AF-1704-0064
Special Radio Maintenance Technician HF Liaison Equipment AN/ARC-21
AF-1715-0078
Special Training, AN/ARC-21 HF Liaison Equipment
AF-1715-0078

Life
Aircrew Life Support Equipment
AF-1704-0145
Aircrew Life Support Specialist
AF-1704-0182
F-4 Aircrew Life Support Specialist
AF-1704-0180

Light
Depot Overhaul of the AN/ASH-4 Light

and Time Recorder and AN/UVM-1 Test Set AF-1715-0503
Field and Organizational (F & O) Maintenance of the AN/ASH-4 Light and Time Recording Set AF-1715-0504

Lingala
Lingala AF-0602-0001

Link
Compass Link Maintenance AF-1715-0277

Liquid
Fuel Specialist (Missile Liquid Fuel Propellant) AF-1405-0023
Fuel Specialist (Missile Liquid Fuel Propellant) (LGM-25) AF-1601-0047
Fundamentals of Liquid Fuel Systems Maintenance AF-1601-0013
Liquid Fuel System Maintenance Specialist/Technician SM-68B AF-1601-0007
Liquid Fuel Systems Maintenance Specialist (Conventional Fuel) AF-1601-0006
Liquid Fuel Systems Maintenance Specialist (HGM-16F) AF-1601-0028
Liquid Fuel Systems Maintenance Specialist (HGM-25) AF-1601-0032
Liquid Fuel Systems Maintenance Specialist (LGM-25) AF-1601-0033
Liquid Fuel Systems Maintenance Specialist (LGM-25C) AF-1601-0014 AF-1601-0033
Liquid Fuel Systems Maintenance Specialist (PGM-16D/E) AF-1601-0034
Liquid Fuel Systems Maintenance Specialist, SM-65 and SM-68 AF-1601-0045
Liquid Fuel Systems Maintenance Specialist (SM-65D) AF-1601-0031
Liquid Fuel Systems Maintenance Specialist (SM-65D/E) AF-1601-0034
Liquid Fuel Systems Maintenance Specialist (SM-65E) AF-1601-0034
Liquid Fuel Systems Maintenance Specialist (SM-65F) AF-1601-0028
Liquid Fuel Systems Maintenance Specialist (SM-68A) AF-1601-0032
Liquid Fuel Systems Maintenance Specialist (SM-68B) AF-1601-0033
Liquid Fuel Systems Maintenance Specialist (SM-68B) (Titan II) AF-1601-0033
Liquid Fuel Systems Maintenance Specialist/Technician (SM-65F) AF-1601-0002
Liquid Fuel Systems Maintenance Technician (Conventional Fuel) AF-1601-0011
Liquid Fuel System Specialist/Technician (SM-65) AF-1601-0019
Liquid Fuel System Specialist/Technician, SM-68A AF-1601-0003
Liquid Oxygen Generation Plant Operation and Maintenance (25 Ton/D) AF-1601-0015

Liquids
Field Analysis of Cryogenic Liquids and Gases AF-1601-0020

Lithographic
Lithographic Photography DD-1719-0003
Lithographic Stripping and Platemaking DD-1719-0001

Lithuanian
Lithuanian DD-0602-0002

Loadmaster
Advanced Aircraft Loadmaster (C-141) AF-0419-0016
Advanced Aircraft Loadmaster (C-5) AF-0419-0015
Advanced Aircraft Loadmaster (HC-130 ARRS AF-1606-0028
Aircraft Loadmaster AF-0419-0001
HC-130 Advanced Loadmaster AF-1606-0028
HC-130 Loadmaster (Aircrew Training) AF-1606-0028

LOGBALNET
Ballistic Missile Inventory Management Procedures and LOGBALNET Operations AF-1405-0022

Logistics
Logistics Management AF-1405-0007
Logistics Officer AF-1405-0026
Logistics Planner AF-1405-0039
Logistics Specialist AF-1405-0003

Loran
Special Training on Loran Receiver AN/APN-70 AF-1715-0426

Low
Electrical Standards Console and Low Frequency Voltage and Phase Standards AF-1714-0013
Intermediate/Organizational (I/O) Maintenance M-28 ASR Low Level Keying AF-1715-0710

M-28
Intermediate/Organizational (I/O) Maintenance M-28 ASR Low Level Keying AF-1715-0710

M-37
Intermediate/Organizational (I/O) Maintenance M-37 ASR Low Level Keying AF-1715-0125

M37-T1
M37-T1 Test Stand, Maintenance and Calibration AF-1704-0176

MA-1
Fire Control Systems Mechanic (MA-1,2,3 GBR Sight Systems) AF-1715-0117
Fire Control Systems Mechanic (MA-1, MA-2, MA-3 Systems) AF-1715-0117
Fire Control Systems Technician (MA-1, 2, 3 GBR Sight Systems) AF-1715-0012
Fire Control Systems Technician (MA-1, MA-2, MA-3 Systems) AF-1715-0012
Fire Control System Technician (MA-1,-2,-3 GBR Sight Systems) AF-1715-0012
MA-1 and MA-3 Air Conditioners, Field and Organizational (F & O) Maintenance AF-1701-0002
Weapons Control Systems Mechanic (F-106A/B: MA-1, ASQ-25 Systems) AF-1715-0375
Weapons Control Systems Mechanic (MA-1, ASQ-25 Systems) AF-1715-0375
Weapons Control Systems Mechanic (MA-1 System) AF-1715-0375
Weapons Control Systems Mechanic (MA-1 Systems) AF-1715-0375

MA-10
Fire Control Systems Mechanic (MA-10, ASG-14 Systems) AF-1715-0567
Fire Control Systems Technician (MA-10, ASG-14 System) AF-1715-0592
Offensive Fire Control Systems Mechanic (MA-10, ASG-14 Systems) AF-1715-0567

MA-2
Bomb Navigation Systems Mechanic (MA-2 System) AF-1715-0483

MA-2/ASB-4
MA-2/ASB-4 Bomb Navigation Systems (Analyst Supervisor) AF-1715-0287
MA-2/ASB-4 Bomb Navigation Systems (Radar and Computer Technician) AF-1715-0286

MA-3
Fire Control Systems Mechanic (F-100A/C/D/F: MA-3, ASG-17 Systems) AF-1715-0117
Fire Control Systems Mechanic (MA-1, MA-2, MA-3 Systems) AF-1715-0117
Fire Control Systems Mechanic (MA-3, ASG-17 Systems) AF-1715-0117
MA-1 and MA-3 Air Conditioners, Field and Organizational (F & O) Maintenance AF-1701-0002
Offensive Fire Control Systems Mechanic (MA-3, ASG-17 Systems) AF-1715-0117

MA-6A
Bomb Navigation System Mechanic (K, MA-6A, MA-7A Systems) AF-1715-0262
Bomb Navigation System Mechanic

(MA-6A, MA-7A Systems)
AF-1715-0267
Bomb Navigation System Mechanic (MA-6A, MA-7A Systems) Televised
AF-1715-0256
Bomb Navigation Systems Mechanic (K, MA-6A, MA-7A Systems)
AF-1715-0262
Bomb Navigation Systems Mechanic (MA-6A and MA-7A Systems)
AF-1715-0267
Bomb Navigation Systems Mechanic (MA-6A, MA-7A Systems)
AF-1715-0267
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Computer)
AF-1715-0225
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Radar and Interconnect)
AF-1715-0212
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Series Radar Interconnects)
AF-1715-0212
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Systems)
AF-1715-0226
Bomb Navigation Systems Technician (MA-6A, 7A Radar and ICE)
AF-1715-0212
Bomb Navigation Systems Technician (MA-6A and MA-7A Computer and Stab and Optics)
AF-1715-0225
Bomb Navigation Systems Technician (MA-6A and MA-7A Systems)
AF-1715-0226
Bomb Navigation Systems Technician (MA-6A, MA-7A Computer)
AF-1715-0225
Bomb Navigation Systems Technician (MA-6A, MA-7A Radar and Interconnect)
AF-1715-0212
Bomb Navigation Systems Technician (MA-6A, MA-7A Systems)
AF-1715-0226
Bomb Navigation System Technician (K, MA-6A, MA-7A Series Stabilization and Optics)
AF-1715-0563

MA-6A/7A
Navigator Bombardier Training (MA-6A/7A)
AF-1606-0106

MA-7
Fire Control Systems Mechanic (MA-7 System)
AF-1715-0688

MA-7A
Bomb Navigation System Mechanic (K, MA-6A, MA-7A Systems)
AF-1715-0262
Bomb Navigation System Mechanic (MA-6A, MA-7A Systems)
AF-1715-0267
Bomb Navigation System Mechanic (MA-6A, MA-7A Systems) Televised
AF-1715-0256
Bomb Navigation Systems Mechanic (K, MA-6A, MA-7A Systems)
AF-1715-0262
Bomb Navigation Systems Mechanic (MA-6A and MA-7A Systems)
AF-1715-0267
Bomb Navigation Systems Mechanic (MA-6A, MA-7A Systems)
AF-1715-0267
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Computer)
AF-1715-0225
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Radar and Interconnect)
AF-1715-0212
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Series Radar Interconnects)
AF-1715-0212
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Systems)
AF-1715-0226
Bomb Navigation Systems Technician (MA-6A and MA-7A Computer and Stab and Optics)
AF-1715-0225
Bomb Navigation Systems Technician (MA-6A and MA-7A Systems)
AF-1715-0226
Bomb Navigation Systems Technician (MA-6A, MA-7A Computer)
AF-1715-0225
Bomb Navigation Systems Technician (MA-6A, MA-7A Radar and Interconnect)
AF-1715-0212
Bomb Navigation Systems Technician (MA-6A, MA-7A Systems)
AF-1715-0226

MA-8
Fire Control Systems Mechanic (MA-8 System)
AF-1715-0464
Offensive Fire Control Systems Mechanic (MA-8 System)
AF-1715-0464

Mace
Missile Launch Officer (Mace, MGM-13B)
AF-1715-0660
Missile Launch Officer (MACE, MGM-13C)
AF-1715-0658
Missile Mechanic (MACE, MGM-13B)
AF-1715-0727
Missile Mechanic (MACE, MGM-13C)
AF-1715-0726
Tactical Missile Guidance Mechanic (MACE, CGM-13B/GEMS)
AF-1715-0477
Tactical Missile Guidance Mechanic (MACE, MGM-13C)
AF-1715-0481
Tactical Missile Launch Specialist (Mace, MGM-13C)
AF-1715-0657

Machine
Data Processing Machine Operator
AF-1402-0019
Data Processing Machine Operator (Punched Card)
AF-1402-0025
AF-1402-0026
Data Processing Machine Supervisor
AF-1402-0036
Data Processing Machine Supervisor (Punched Card)
AF-1402-0036
Machine Accountant
AF-1402-0026
Machine Accounting Supervisor
AF-1402-0036

Machinegun
.50 Caliber Machinegun
AF-2203-0037

Machinist
Machinist
AF-1723-0001
AF-1723-0002

Maintenance
484L System Field/Organizational (F/O) Maintenance
AF-1715-0383
484L System Organization/Intermediate (O/I) Maintenance
AF-1715-0383
A/E24U-8 Power Plant Intermediate and Organizational (I & O) Maintenance
AF-1704-0143
AF/S32R-2 Refueler Field and Organizational (F & O) Maintenance
AF-1703-0001
Aircraft and Missile Maintenance Analysis Specialist
AF-1115-0001
Aircraft/Avionics Maintenance Staff Officer
AF-1408-0049
Air Force Base Level Maintenance Management
AF-1717-0025
AN/ALQ-71/72 Field/Organizational (F/O) Maintenance
AF-1715-0578
AN/ALQ-71/ALQ-87/QRC-335, Field/Organizational (F/O) Maintenance
AF-1715-0400
AN/ALQ-T4 Field and Organizational (F & O) Maintenance
AF-1715-0547
AN/ART-47 and AN/ARR-71, Field/Organizational (F & O) Maintenance
AF-1715-0408
AN/FPS-27 Field and Organizational (F & O) Maintenance
AF-1715-0616
AN/FPS-6 as Modified by OA-2325, Field and Organizational (F & O) Maintenance
AF-1715-0242
AN/FPS-8 (MPS-11), FPS-6 and GPA-122 Organizational/Intermediate (O/I) Maintenance
AF-1715-0249
AN/GPA-133 F/O Maintenance
AF-1715-0071
AN/GPA-133 O/I Maintenance
AF-1715-0071
AN/GPN-12 Organizational/Intermediate (O/I) Maintenance
AF-1715-0246
AN/GPS-T4 Field and Organizational (F & O) Maintenance
AF-1715-0733
AN/GRA-111 Organizational/Intermediate (O/I) Maintenance
AF-1715-0612
AN/MRC-107A, I/O Maintenance
AF-1715-0072
AN/MRC-107, F/O Maintenance
AF-1715-0072
AN/MRC-107, I/O Maintenance
AF-1715-0072
Antenna Installation and Maintenance

AF-1714-0020
AN/TRC-87 Field and Organization (F & O) Maintenance
AF-1715-0228
AN/TSC-38B I/O Maintenance
AF-1715-0099
AN/TSQ-96 Organizational/Intermediate (O/I) Maintenance
AF-1715-0252
AN/UPX-14, Field and Organizational (F & O) Maintenance
AF-1715-0177
BUIC III I/O Display Equipment Maintenance
AF-1715-0014
Building Maintenance Mechanic
AF-1710-0010
Computer Maintenance Officer
AF-1402-0031
Consolidated Maintenance Management (ADC)
AF-1717-0011
Consolidated Maintenance Management (TAC)
AF-1717-0010
Field and Organizational (F & O) Maintenance, TSEC/KL-7
AF-1715-0127
Field and Organizational Maintenance A6341FN-D1 Propeller
AF-1704-0103
Field and Organizational Maintenance of 34G60 Propeller
AF-1704-0048
Field and Organizational Maintenance, T56-A-1A Engine
AF-1704-0066
Flight Facilities Equipment Basic O/I Maintenance
AF-1715-0002
Fundamentals of Liquid Fuel Systems Maintenance
AF-1601-0013
GAR-3A/4A Field and Organizational (F & O) Maintenance Technician
AF-1715-0328
General Maintenance
AF-1710-0010
Ground C-E-M Maintenance Analysis Technician
AF-1113-0001
Ground Systems Maintenance Technician (OA-6943/GRC-137)
AF-1402-0028
Helicopter Maintenance Officer
AF-1704-0120
HN-10 MUX O/I Maintenance
AF-1715-0036
Intermediate and Organizational Maintenance, TSEC/HY-2
AF-1715-0673
Intermediate and Organizational Maintenance, TSEC/HY-2, SEBIT-24 Modem, Crypto Control Unit, and Digital Subset
AF-1715-0074
Intermediate and Organizational Maintenance, TSEC/KW-7
AF-1715-0615
Intermediate/Organizational (I/O) Maintenance M-37 ASR Low Level Keying
AF-1715-0125
J-57 Engine, Organizational Maintenance (KC-135)
AF-1704-0059
J-79 Engine Field and Organizational Maintenance (F-104)
AF-1704-0089
J-79 Engine, F & O Maintenance and Control System (F-104)
AF-1704-0087
J-79 Engine, Organizational Maintenance and Control System, F-104
AF-1704-0085
J-79 Engine, Organizational Maintenance (F-104)
AF-1704-0090
Key Telephone System Maintenance
AF-1715-0045
Liquid Fuel System Maintenance Specialist/Technician SM-68B
AF-1601-0007
Liquid Fuel Systems Maintenance Specialist (HGM-16F)
AF-1601-0028
Liquid Fuel Systems Maintenance Specialist (HGM-25)
AF-1601-0032
Liquid Fuel Systems Maintenance Specialist (LGM-25)
AF-1601-0033
Liquid Fuel Systems Maintenance Specialist (LGM-25C)
AF-1601-0014
AF-1601-0033
Liquid Fuel Systems Maintenance Specialist (PGM-16D/E)
AF-1601-0034
Liquid Fuel Systems Maintenance Specialist, SM-65 and SM-68
AF-1601-0045
Liquid Fuel Systems Maintenance Specialist (SM-65D)
AF-1601-0031
Liquid Fuel Systems Maintenance Specialist (SM-65D/E)
AF-1601-0034
Liquid Fuel Systems Maintenance Specialist (SM-65E)
AF-1601-0034
Liquid Fuel Systems Maintenance Specialist (SM-65F)
AF-1601-0028
Liquid Fuel Systems Maintenance Specialist (SM-68A)
AF-1601-0032
Liquid Fuel Systems Maintenance Specialist (SM-68B)
AF-1601-0033
Liquid Fuel Systems Maintenance Specialist (SM-68B) (Titan II)
AF-1601-0033
Liquid Fuel Systems Maintenance Specialist/Technician (SM-65F)
AF-1601-0002
Liquid Fuel Systems Maintenance Technician (Conventional Fuel)
AF-1601-0011
Liquid Oxygen Generation Plant Operation and Maintenance (25 Ton/D)
AF-1601-0015
MA-1 and MA-3 Air Conditioners, Field and Organizational (F & O) Maintenance
AF-1701-0002
Maintenance Analysis
AF-1408-0006
Maintenance Analysis Specialist
AF-1115-0001
Maintenance Analysis Technician
AF-0306-0001
Maintenance and Control Specialist
AF-1717-0009
Maintenance Engineering Production Analysis
AF-1408-0006
AF-1408-0007
Maintenance Management
AF-1717-0023
Maintenance Management and Information Systems
AF-1408-0013
Maintenance of A/S 48A-1 Wheel Mover
AF-1704-0144
Maintenance Scheduling Specialist
AF-1408-0032
MMTMC-212, Field and Organizational (F/O) Maintenance
AF-1715-0193
Motor Vehicle Maintenance Management
AF-0419-0019
Munitions Maintenance Specialist Retrainee
AF-0802-0005
Operator and Operation Maintenance of AC System Tester, Model T-35
AF-1715-0095
Pavements Maintenance Specialist
AF-1710-0006
AF-1710-0007
Petroleum Plants and Systems, Advanced Maintenance
AF-1601-0039
Petroleum Systems Maintenance Technician
AF-1601-0038
Radar Equipment Air Maintenance Upgrading
AF-1715-0365
SAGE Maintenance Control Officer
AF-1715-0582
SAGE System Maintenance Management Officer
AF-1715-0582
Senior Maintenance Mechanic
AF-1703-0015
Solid State Devices, Field and Organizational (F & O) Maintenance
AF-1715-0191
Special Maintenance 618S-1 System
AF-1715-0077
Special Radio Maintenance Technician, AN/TRC-24 Radio Set
AF-1715-0081
Special Radio Maintenance Technician, Radio Receiving Set, AN/ARN-31
AF-1715-0082
Special Training, AN/FPS-27, Field and Organizational (F & O) Maintenance
AF-1715-0556
Special Training, AN/FPS-7, Field and Organization (F & O) Maintenance
AF-1715-0214
Special Training, AN/URN-3A Maintenance Field and Organizational (F & O)
AF-1715-0591
Special Weapons Maintenance Technician
AF-1715-0150
AF-1715-0151
AF-1715-0152
Type 1A1 Keying Equipment Maintenance
AF-1715-0045
Vehicle Maintenance Technician
AF-1703-0010
Weapons Maintenance Technician FB-

111
AF-1704-0179

MAJCOM
MAJCOM Manpower Procedures
AF-1406-0032
Major Command (MAJCOM) Manpower Procedures
AF-1406-0032

Malay
Indonesian—Malay
DD-0602-0002
Malay
AF-0602-0007
DD-0602-0002

Management
Administration Management and Executive Support Officer
AF-1408-0067
Administration Management/Executive Support
AF-1408-0067
Advanced Production Management
AF-1408-0014
AFK Supply Management
AF-1405-0004
Aircraft Maintenance Management Officer
AF-1717-0002
Air Force Base Level Maintenance Management
AF-1717-0025
Air Force Weapons Accident Prevention and Management
AF-0802-0021
AMA/Directorate of Materiel Management
AF-1405-0027
Automated Systems Analyst (Management Support Systems)
AF-1402-0064
AF-1402-0066
Automated Systems Program Designer (Management Support Systems)
AF-1402-0010
Automated Systems Programming Technician (Management Support Systems)
AF-1402-0002
Automotive Shop Management
AF-1405-0049
Base Supply Management
AF-1405-0001
CBPO Systems Management, Phase II
AF-1402-0047
Chapel Management Specialist
AF-1407-0001
Chapel Management Technician
AF-1408-0046
Chief of Supply Management
AF-1405-0040
Communications-Electronics Programs Management
AF-1408-0050
Consolidated Maintenance Management (ADC)
AF-1717-0011
Consolidated Maintenance Management (TAC)
AF-1717-0010
Contract Management
AF-1408-0037
Contract Management Officer
AF-1408-0051
AF-1408-0052
Defense Data Management
AF-1405-0002
Defense Equal Opportunity Management Institute
DD-1512-0001
Defense Security Assistance Management Core
DD-1408-0001
Defense Security Assistance Management Overseas
DD-0327-0001
Defense Weapons Systems Management
AF-1408-0011
Disposal Management
AF-1405-0056
Fuels Management Officer (Petroleum Fuels)
AF-1601-0043
Heating Plant Management and Supervision
AF-1408-0020
Industry Financial Management
DD-1408-0003
Information Security Management
DD-1728-0002
Instructor Management Training
AF-1406-0026
Inventory Management Supervisor
AF-1405-0011
Laboratory Management of Research and Development
AF-1408-0058
Logistics Management
AF-1405-0007
Maintenance Management
AF-1717-0023
Maintenance Management and Information Systems
AF-1408-0013
Management Analysis Officer
AF-1408-0063
Management Analysis Specialist
AF-1408-0009
Management Analysis Technician
AF-1408-0009
Management Engineering Officer
AF-1115-0007
Management Engineering Specialist
AF-1408-0012
Management/Supervision of a Data Processing Installation (DPI)
AF-1402-0038
Management Technician
AF-1406-0004
Manpower Management Officer
AF-1406-0035
Manpower Management Technician
AF-1406-0004
Medical Records Management
AF-0709-0020
Medical Resource Management
AF-1401-0011
Motor Vehicle Maintenance Management
AF-0419-0019
Motor Vehicle Management Officer
AF-1405-0019
National Security Management (Correspondence Course of the Industrial College of the Armed Forces)
DD-1511-0001
Nursing Service Management
AF-0703-0006
Open Mess Management (Enlisted)
AF-1729-0004
Open Mess Management (Officer)
AF-1729-0003
Open Mess Management (U.S. Air Force)
AF-1729-0007
Personnel Management and Data Systems
AF-1408-0030
Phase II Systems Management
AF-1408-0027
Production Management
AF-1408-0059
Production Management II
AF-1408-0014
Professional Personnel Management
AF-1406-0033
Program Management
DD-1408-0002
Program Management for Contract Administration
DD-1408-0004
Program Management for Functional Managers
DD-1408-0004
Propulsion Shop Management
AF-1717-0001
Supply Systems Management
AF-1405-0044
System Program Management
AF-1408-0060
Traffic Management and Accident Investigation
AF-1728-0004

Manpower
MAJCOM Manpower Procedures
AF-1406-0032
Major Command (MAJCOM) Manpower Procedures
AF-1406-0032
Manpower Allocation and Accounting System (MAAS)
AF-1406-0032
Manpower Management Officer
AF-1406-0035
Manpower Management Technician
AF-1406-0004
Manpower Policies and Procedures
AF-1406-0002

Manual
Central Office Equipment Specialist (Manual)
AF-1715-0087
Manual Central Office Equipment Specialist
AF-1715-0087
Weapons Controller (Manual)
AF-2203-0048

Map
Map Compilation
DD-1713-0001

Mapping
Mapping, Charting, and Geodesy Officer
DD-1601-0007

Marijuana
Patrol Dog Marijuana Detection
AF-1728-0010

Marketing
Redistribution and Marketing
AF-1405-0030
Redistribution and Marketing Officer
AF-1405-0030
Redistribution and Marketing Specialist
AF-1405-0031

Marksmanship
Marksmanship Instructor
AF-2203-0001

Mark X
Special Training, AN/CPS-6B and Mark X IFF

AF-1715-0404

Marshal
Air Police (Provost Marshal) Phase I AF-1728-0029
Provost Marshal AF-1728-0029

Masonry
Masonry Specialist AF-1710-0014

Master
Master Crew Chief AF-1704-0070

Materials
Quality Control—Materials and Processes AF-1724-0001
Special Vehicle Repairmen (Materials Handling Vehicle) AF-1703-0004
Transportation of Dangerous Materials (Reserve) AF-0419-0013

Materiel
Accounting and Finance Automated Materiel System AF-1401-0016
AMA/Directorate of Materiel Management AF-1405-0027
Apprentice Medical Materiel Specialist AF-0709-0009
CEM Materiel Control Procedures (AFCS) AF-1405-0058
Materiel Control AF-1405-0028
Medical Materiel Specialist AF-0709-0009
Medical Materiel Supervisor AF-1405-0045
Medical Materiel Supervisor (B-3500) AF-1405-0045

MB-2
MB-2 Autopilot, F-84F AF-1704-0148
MB-2 Towing Tractor, Field and Organizational Maintenance AF-1712-0001

MB-5
MB-5 Autopilot Repairman, F-101B AF-1704-0119

MC-1
MC-1 Autopilot and N-1 Compass (KC-135) AF-1715-0627

MC-50
Radio Relay Equipment Repairman AN/FCC-21, AN/MCC-13, AN/FCC-32, MC-50, MW-503, and AN/FRC-39A(V) AF-1715-0659
Radio Relay Equipment Repairman MC-50, AN/MCC-13, AN/FCC-32(V) (TMS-2), MW-503A, AN/FRC-39A(V), AN/MRC-85 AF-1715-0659

MD-1
A-14 Autopilot and N-1, MD-1 Compasses AF-1715-0630
Automatic Astro Compass TYPE MD-1 (Field and Organizational (F & 0)) AF-1715-0606
Defensive Fire Control Systems Mechanic (MD-1, MD-1A, MD-4, and A-5) AF-1715-0013
N-1 and MD-1 Compasses, AN/AJA-1 Computer and A-14 Autopilot AF-1715-0624
Operation and Maintenance of MD-1 Astro Compass Test Equipment AF-1715-0089
Turret System Mechanic (A-5, MD-1 and A, MD-4) AF-1715-0013
Turret System Mechanic (MD-1, MD-4, A-5) AF-1715-0013

MD-4
Defensive Fire Control Systems Mechanic (MD-1, MD-1A, MD-4, and A-5) AF-1715-0013
Turret System Mechanic (A-5, MD-1 and A, MD-4) AF-1715-0013
Turret System Mechanic (MD-1, MD-4, A-5) AF-1715-0013

MD-7
Defensive Fire Control Systems Mechanic (B-52H, B-58: MD-7, ASG-21 Turrets) AF-1715-0540
Defensive Fire Control Systems Mechanic (MD-7, AN/ASG-21 Turrets) AF-1715-0540

MD-9
Defensive Fire Control System Mechanic (A-3A, MD-9, ASG-15 Turrets) AF-1715-0482
Defensive Fire Control Systems Mechanic (A-3A, MD-9, ASG-15 Fire Control Systems) AF-1715-0482
Defensive Fire Control Systems Mechanic (A-3A, MD-9, ASG-15 Turrets) AF-1715-0482
Defensive Fire Control Systems Technician (A-3A, MD-9, ASG-15 Fire Control Systems) AF-1715-0259
Defensive Fire Control Systems Technician (A-3A, MD-9, ASG-15 Turrets) AF-1715-0259
Turret Systems Mechanic (A-3A, MD-9, ASG-15 Turrets) AF-1715-0482
Turret Systems Technician (A-3A, MD-9, ASG-15 Turrets) AF-1715-0259

Measurement
Advanced Microwave Measurement and Calibration AF-1715-0181
Evaluation of Performance Measurement System AF-1408-0029
Nuclear Measurement Technician AF-1715-0163
Surveillance of Performance Measurement Systems AF-1408-0026

Measurements
Advanced Electrical-Electronics Measurements AF-1715-0168
Advanced Microwave Measurements AF-1715-0220
Advanced Microwave Measurements and Calibration AF-1715-0549

Measuring
Precision Dimensional and Optical Measuring Technician AF-1721-0006
Precision Measuring Equipment Specialist AF-1715-0032
Precision Measuring Equipment Specialist (Electronics) AF-1715-0033
Precision Measuring Equipment Technician AF-1715-0032
Precision Physical Measuring Technician AF-1721-0007

Meat
Meat Cutting AF-1729-0005

Mechanic
AN/APQ-24A System Mechanic AF-1715-0428
Automotive Mechanic AF-1703-0014
Helicopter Mechanic HH-1H AF-1704-0029
Helicopter Mechanic (HH-53) AF-1704-0028
Helicopter Mechanic, UH-1H(VNAF I and M) AF-1704-0029
Jet Engine Mechanic AF-1704-0012
Reciprocating Engine Mechanic (Engine Analyzer) AF-1704-0034
Senior Maintenance Mechanic AF-1703-0015
Wheeled Vehicle Mechanic AR-1703-0021

Mechanical
KC-135 Mechanical Accessories and Equipment Repairman AF-1701-0006
Mechanical Accessories and Equipment Repairman AF-1701-0007
Mechanical Accessories and Equipment Repairman, B-52 AF-1704-0178
Mechanical Accessories and Equipment Repairman, C-130A AF-1704-0101
Mechanical Accessories and Equipment Repair Technician AF-1715-0528
Mechanical Instrument Trainer Specialist AF-1715-0520

Medical
Air Rescue Specialist Medical AF-0709-0013
Alternate Phase II of Medical Laboratory Specialist Course AF-0702-0006
Apprentice Medical Administrative Specialist AF-0799-0004
Apprentice Medical Equipment Repairman AF-1715-0001
Apprentice Medical Laboratory Specialist

AF-0702-0005
Apprentice Medical Materiel Specialist
AF-0709-0009
Apprentice Medical Service Specialist
AF-0709-0015
Basic Course in Medical Administration
AF-0799-0005
Basic Course in Medical Service Administration
AF-0799-0005
Basic Medical
AF-0703-0007
Basic Orientation Course for Officers of the Medical Service
AF-1408-0040
Medical Administrative Specialist
AF-0799-0004
Medical Administrative Supervisor
AF-1408-0043
Medical Aspects of Food Handling
AF-0709-0018
Medical Equipment Repair
AF-1715-0182
Medical Equipment Repairman
AF-1715-0001
Medical Equipment Repair Technician
AF-1715-0182
Medical Helper
AF-0703-0007
Medical Laboratory Specialist, Phase I
AF-0702-0005
Medical Laboratory Specialist, Phase II
AF-0702-0007
Medical Laboratory Technician
AF-0702-0004
Medical Materiel Specialist
AF-0709-0009
Medical Materiel Supervisor
AF-1405-0045
Medical Materiel Supervisor (B-3500)
AF-1405-0045
Medical Officer Flight Familiarization Training (T-33)
AF-1606-0127
Medical Officer Flight Familiarization Training (T-37)
AF-1606-0127
Medical Records Management
AF-0709-0020
Medical Resource Management
AF-1401-0011
Medical Service Fundamentals
AF-0703-0007
Medical Service Specialist
AF-0709-0015
Medical Service Technician
AF-0709-0023
Medical Service Technician—Independent Duty
AF-0709-0005
Medical Service Technician (Vocational Nurse)
AF-0703-0001
Medical Supply Officer
AF-1405-0006
Pararescue/Recovery Specialist—Medical
AF-0709-0007
Rescue and Survival Technician—Medical
AF-0709-0002

Medicine
Apprentice Preventive Medicine Specialist
AF-0707-0005
General Preventive Medicine, Residency, Phases II and III
AF-0707-0002
Global Medicine
AF-0799-0001
Preventive Medicine Specialist
AF-0707-0005
Preventive Medicine Technician
AF-0707-0004

Medium
Aircrew Transition—Medium Bomb-Jet (Aircraft Commander/Pilot)
AF-1606-0038
Aircrew Transition—Medium Bomb-Jet (Aircraft Observer)
AF-1606-0039
Medium Bombardment Conventional, B-29 Four-Engine Transition (Aircraft Commander and Co-Pilot)
AF-1606-0041
Medium Bombardment Conventional B-29 Four-Engine Transition (Flight Engineer)
AF-1606-0040
Medium Bombardment Conventional, B-29 Four-Engine Transition (Radio Operator)
AF-1606-0043
Medium Bombardment Conventional, B-29 Four-Engine Transition (Scanner Gunner)
AF-1606-0042
Medium Bomb—Transition B-47 (Aircraft Commander/Pilot)
AF-1606-0038
Medium Bomb—Transition B-47 (Aircraft Observer)
AF-1606-0039
Medium Transport (C-119) Aircrew Transition
AF-1606-0044
Medium Transport (C-119) Transition
AF-1606-0044

Mess
Open Mess Management (Enlisted)
AF-1729-0004
Open Mess Management (Officer)
AF-1729-0003
Open Mess Management (U.S. Air Force)
AF-1729-0007

Message
STRAWHAT Message Processing Maintenance
AF-1715-0051

Metals
Heat Treatment and Electroplating of Metals
AF-1723-0003
Heat Treatment of Ferrous and Non-Ferrous Metals
AF-1723-0003
Metals Processing Specialist
AF-1723-0004

MET/ARE
Airborne Meteorological/Atmospheric Research Equipment (MET/ARE) Repairman
AF-1715-0453

Meteorological
Advanced Meteorological Applications
AF-1304-0009
Airborne Meteorological/Atmospheric Research Equipment (MET/ARE) Repairman
AF-1715-0453
AN/FPS-77 Meteorological Radar Set, Field/Organizational (F/O)
AF-1715-0237
AN/MMQ-2 Meteorological Station Manual
AF-1304-0012

Meteorologist
Staff Meteorologist
AF-1304-0006

MG-10
Fire Control Systems Mechanic, MG-10 Radar
AF-1715-0258
Fire Control Systems Mechanic (MG-10 Series Data Flow Specialist)
AF-1715-0708
Weapons Control Systems Mechanic (MG-10/13 Systems)
AF-1715-0546
Weapons Control Systems Mechanic (MG-3, MG-10 Computer Controls)
AF-1715-0271
Weapons Control Systems Mechanic (MG-3, MG-10 Data Flow)
AF-1715-0574
Weapons Control Systems Mechanic (MG-3, MG-10, MG-13 Computer and Controls)
AF-1715-0269
Weapons Control Systems Mechanic (MG-3, MG-10, MG-13 Computer Controls)
AF-1715-0272
Weapons Control Systems Mechanic (MG-3, MG-10, MG-13 Data Flow)
AF-1715-0546
Weapons Control Systems Mechanic (MG-3, MG-10, MG-13 Radar)
AF-1715-0445
Weapons Control Systems Mechanic (MG-3, MG-10 Radar)
AF-1715-0445
Weapons Control Systems Technician (MG-3, MG-10 Computer Controls)
AF-1715-0558
Weapons Control Systems Technician (MG-3, MG-10 Data Flow)
AF-1715-0595
Weapons Control System Technician (MG-3, MG-10 Radar)
AF-1715-0557

MG-12
Weapons Control Systems Mechanic (E-9, MG-12 Systems)
AF-1715-0689
AF-1715-0690
Weapons Control Systems Mechanic (MG-12 System)
AF-1715-0690
Weapons Control Systems Technician (MG-12 Systems)
AF-1715-0502

MG-12/13
Radar Intercept Officer Training (MG-12/13)
AF-1606-0045

MG-13
Weapons Control Systems Mechanic (MG-13 Computer and Controls)
AF-1715-0270
Weapons Control Systems Mechanic (MG-13 Data Flow)
AF-1715-0574
Weapons Control Systems Mechanic (MG-13 Radar)
AF-1715-0444
Weapons Control Systems Mechanic

(MG-3, MG-10, MG-13 Computer and Controls)
AF-1715-0269
Weapons Control Systems Mechanic (MG-3, MG-10, MG-13 Computer Controls)
AF-1715-0272
Weapons Control Systems Mechanic (MG-3, MG-10, MG-13 Radar)
AF-1715-0445
Weapons Control Systems Technician (MG-13 Computer-Controls)
AF-1715-0355
Weapons Control Systems Technician (MG-13 Data Flow)
AF-1715-0699
Weapons Control Systems Technician (MG-13 Radar)
AF-1715-0374

MG-3
Weapons Control Systems Mechanic (MG-3, 10, 13 Data Flow)
AF-1715-0546
Weapons Control Systems Mechanic (MG-3, 10, 13 Systems)
AF-1715-0546
Weapons Control Systems Mechanic (MG-3/10 Data Flow)
AF-1715-0546
Weapons Control Systems Mechanic (MG-3, MG-10 Computer Controls)
AF-1715-0271
Weapons Control Systems Mechanic (MG-3, MG-10 Data Flow)
AF-1715-0574
Weapons Control Systems Mechanic (MG-3, MG-10, MG-13 Computer and Controls)
AF-1715-0269
Weapons Control Systems Mechanic (MG-3, MG-10, MG-13 Computer Controls)
AF-1715-0272
Weapons Control Systems Mechanic (MG-3, MG-10, MG-13 Data Flow)
AF-1715-0546
Weapons Control Systems Mechanic (MG-3, MG-10, MG-13 Radar)
AF-1715-0445
Weapons Control Systems Mechanic (MG-3, MG-10 Radar)
AF-1715-0445
Weapons Control Systems Technician (MG-3, MG-10 Computer Controls)
AF-1715-0558
Weapons Control Systems Technician (MG-3, MG-10 Data Flow)
AF-1715-0595
Weapons Control System Technician (MG-3, MG-10 Radar)
AF-1715-0557

MGM-13A
Missile Launch Officer (MGM-13A)
AF-1715-0660
Tactical Missile Guidance Mechanic (MGM-13A)
AF-1715-0484
Tactical Missile Launch Specialist (MGM-13A)
AF-1715-0666
AF-1715-0667

MGM-13B
Missile Mechanic (MACE, MGM-13B)
AF-1715-0727
Missile Mechanic (MGM-13B)
AF-1715-0727
Tactical Missile Checkout Equipment Repairman (MGM-13B(TEMS))
AF-1715-0646
Tactical Missile Launch Specialist (MGM-13B)
AF-1715-0666
AF-1715-0667

MGM-13C
Missile Launch Officer (MACE, MGM-13C)
AF-1715-0658
Missile Mechanic (MACE, MGM-13C)
AF-1715-0726
Tactical Missile Guidance Mechanic (MACE, MGM-13C)
AF-1715-0481
Tactical Missile Launch Specialist (Mace, MGM-13C)
AF-1715-0657

Microelectronic
High Value Soldering and Microelectronic Repair Techniques
AF-1715-0388

Microwave
Advanced Microwave Measurement and Calibration
AF-1715-0181
Advanced Microwave Measurements
AF-1715-0220
Advanced Microwave Measurements and Calibration
AF-1715-0549
Radio Relay Equipment Repairman (Microwave)
AF-1715-0085
Radio Relay Equipment Repairman (Microwave and Associated Relay Center Equipment)
AF-1715-0085
Radio Relay Repairman (Microwave)
AF-1715-0085

Midwifery
Nurse-Midwifery Residency
AF-0703-0002

Military
Basic Military Journalist
DD-0504-0001
Military Aspects of Sanitary and Industrial Hygiene Engineering
AF-0707-0001
Military Training Instructor
AF-1512-0002
Prior Service Military Training
AF-2203-0049

Minn-Honeywell
Refrigeration and Air Conditioning Control (Minn-Honeywell)
AF-1730-0006

Minuteman III
Nuclear Weapons Specialist (Minuteman III Re-Entry System)
AF-2203-0012

Missile
Aircraft and Missile Electrical Repairman
AF-1704-0114
Aircraft and Missile Electrical Repair Technician
AF-1704-0165
Aircraft and Missile Ground Support Equipment Repair
AF-1717-0012
Aircraft and Missile Ground Support Equipment Repairman
AF-1715-0605
Aircraft and Missile Ground Support Equipment Repairman (Ballistic Missiles)
AF-1715-0631
Aircraft and Missile Hydraulic Repairman
AF-1704-0041
Aircraft and Missile Hydraulic Technician
AF-1704-0014
Aircraft and Missile Maintenance Analysis Specialist
AF-1115-0001
Aircraft and Missile Pneudraulic Repairman
AF-1704-0041
Aircraft and Missile Pneudraulic Repair Technician
AF-1704-0014
Air Launched Defense Missile Safety Officer
AF-0802-0012
Air Launched Missile Safety Officer
AF-0802-0009
Air Launched Missile Safety Officer/Technician
AF-0802-0010
Air Launched Missile Safety Technician
AF-0802-0011
Air Launched Strategic Missile Safety Officer
AF-0802-0013
Air Launched Tactical Missile Safety Officer
AF-0802-0014
Air Launch Missile Analyst Mechanic (AGM-28A/B
AF-1715-0454
Air Launch Missile Analyst Technician (AGM-28A/B)
AF-1715-0158
Air Launch Missile Checkout Equipment Repairman (AGM-28A/B)
AF-1715-0458
Air Launch Missile Guidance Mechanic (AGM-28A/B)
AF-1715-0649
Air Launch Missile Guidance Technician (AGM-28A/B)
AF-1715-0155
Ballistic Missile Analyst Specialist (HGM-16F)
AF-1715-0295
Ballistic Missile Analyst Specialist (HGM-25A)
AF-1715-0662
Ballistic Missile Analyst Specialist (LGM-25C)
AF-1715-0376
Ballistic Missile Analyst Specialist (PGM-16D)
AF-1715-0294
Ballistic Missile Analyst Specialist (PGM-16E)
AF-1715-0300
Ballistic Missile Analyst Specialist (SM65D)
AF-1715-0294
Ballistic Missile Analyst Specialist (SM-65E)
AF-1715-0300
Ballistic Missile Analyst Specialist (SM-65F)
AF-1715-0295
Ballistic Missile Analyst Specialist (SM-68A)

AF-1715-0662
Ballistic Missile Analyst Specialist, SM-80
AF-1715-0344
Ballistic Missile Analyst Specialist, WS-133A
AF-1715-0344
Ballistic Missile Analyst Specialist, WS-133B
AF-1715-0731
Ballistic Missile Analyst Speicialist, WS-133A
AF-1715-0345
Ballistic Missile Analyst Technician (SM-65F)
AF-1715-0319
Ballistic Missile Checkout Equipment Specialist (HGM-25A)
AF-1715-0173
Ballistic Missile Checkout Equipment Specialist (SM65D)
AF-1715-0316
Ballistic Missile Checkout Equipment Specialist (SM-65E and F)
AF-1715-0161
Ballistic Missile Checkout Equipment Specialist (SM-68A)
AF-1715-0173
Ballistic Missile Checkout Equipment Specialist (SM-68B)
AF-1715-0160
Ballistic Missile Check-Out Equipment Specialist, SM-80
AF-1715-0299
Ballistic Missile Checkout Equipment Specialist/Technician, SM-68B
AF-1715-0304
Ballistic Missile Check-Out Equipment Specialist, WS-133A
AF-1715-0299
Ballistic Missile Checkout Equipment Specialist, WS-133B
AF-1715-0108
Ballistic Missile Checkout Equipment Technician, SM-80
AF-1715-0296
Ballistic Missile Control Mechanic (HGM-25A)
AF-1715-0321
Ballistic Missile Control Mechanic (SM-68A)
AF-1715-0321
Ballistic Missile Inertial Guidance Mechanic
AF-1715-0297
Ballistic Missile Inertial Guidance Mechanic (SM-65E and F)
AF-1715-0171
Ballistic Missile Inertial Guidance Mechanic (SM-68B) (LGM-25C)
AF-1715-0297
Ballistic Missile Inertial Guidance Mechanic/Technician (SM-68B)
AF-1715-0154
Ballistic Missile Inertial Guidance Technician/Mechanic (SM-65F)
AF-1715-0313
Ballistic Missile Inventory Management and COMLOGNET Procedures
AF-1405-0022
Ballistic Missile Inventory Management Procedures and LOGBALNET Operations
AF-1405-0022
Ballistic Missile Launch Equipment Repairman (SM65E & F)
AF-1715-0435
Ballistic Missile Launch Equipment Repairman (SM-68A)
AF-1715-0178
Ballistic Missile Launch Equipment Repairman (SM-68B)
AF-1715-0179
Ballistic Missile Launch Equipment Repairman, SM-80
AF-1715-0459
Ballistic Missile Launch Equipment Repairman/Technician, SM-68B
AF-1715-0303
Ballistic Missile Launch Equipment Repairman, WS-133A
AF-1715-0459
Ballistic Missile Launch Equipment Repairman, WS-133B
AF-1715-0725
Ballistic Missile Launch Equipment Technician, SM-80
AF-1715-0305
Ballistic Missile Radio Guidance Mechanic (SM-65D)
AF-1715-0317
Ballistic Missile Radio Guidance Mechanic (SM-68A)
AF-1715-0302
Ballistic Missile Safety
AF-0802-0008
Cable Splicing Specialist (Hardened Missile Systems)
AF-1714-0018
Defense Missile Checkout Equipment Technician, IM-99B
AF-1715-0310
Defense Missile Control Mechanic/Technician, IM-99B
AF-1715-0643
Defense Missile Guidance Mechanic—Falcon (AIM)
AF-1715-0635
Defense Missile Guidance Mechanic (GAR)
AF-1715-0139
Defense Missile Guidance Mechanic (GARS)
AF-1715-0635
Defense Missile Guidance Mechanic, IM-99A
AF-1715-0309
Defense Missile Guidance Mechanic, IM-99B
AF-1715-0308
Defense Missile Guidance Mechanic/Technician, IM-99B
AF-1715-0314
Defense Missile Guidance Technician (GAR-1/2/11)
AF-1715-0650
Electronic Digital Data Processing Equipment Repairman (Ballistic Missile Guidance Computer) (SM-65D)
AF-1715-0701
Fuel Specialist (Missile Liquid Fuel Propellant)
AF-1405-0023
Fuel Specialist (Missile Liquid Fuel Propellant) (LGM-25)
AF-1601-0047
Fundamentals of Missile Engine Maintenance
AF-1704-0156
Guidance System Analyst (GAM-63 Missile D/A)
AF-1715-0379
Guidance Systems Mechanic (Ballistic Missile Inertial)
AF-1715-0327
Guided Missile Maintenance Officer (TM-76A)
AF-1715-0647
Guided Missile Operations/Maintenance Officer (Ballistic Missiles)
AF-1715-0663
Guided Missile Operations/Maintenance Officer (SM-68)
AF-1714-0011
Guided Missile Operations Officer (TM-76A)
AF-1715-0133
Guided Missile Operations Officer (TM-76B)
AF-1715-0658
Guided Missile Operations Staff Officer, IM-99
AF-2203-0014
Missile and Facility Pneudraulic Technician (SM-65F)
AF-1704-0146
Missile and Nuclear Weapons Transportation Safety
AF-0419-0017
Missile Combat Crew (CGM-13B, Launch)
AF-2203-0023
Missile Control Communications Systems Repairman
AF-1715-0713
Missile Electrical Repairman/Technician, SM68
AF-1715-0580
Missile Electrical Specialist
AF-1715-0140
Missile Electrical Specialist (LGM-25)
AF 1715-0136
Missile Electrical Specialist (SM-65D)
AF-1715-0430
Missile Electrical Specialist (SM-65 E & F)
AF-1714-0010
Missile Electrical Specialist (SM-68A)
AF-1714-0006
Missile Electrical Specialist (SM-68B)
AF-1715-0136
Missile Electrical Specialist/Technician, SM-68B
AF-1715-0134
Missile Electronic Equipment Specialist (AGM-28A/B)
AF-1715-0458
Missile Electronic Equipment Specialist (AGM-69A)
AF-1715-0457
Missile Electronic Equipment Specialist (CGM-13B, TEMS)
AF-1715-0641
Missile Electronic Equipment Specialist (LGM-25)
AF-1715-0166
Missile Electronic Equipment Specialist, WS-133A
AF-1715-0456
Missile Electronic Equipment Specialist, WS-133A-M
AF-1715-0711
Missile Electronic Equipment Specialist, WS-133B
AF-1715-0461
Missile Electronic Equipment Technician, WS-133A-M
AF-1715-0143
Missile Electronic Equipment Technician

WS-133(CDB)
AF-1715-0714
Missile Engine Mechanic
AF-1704-0131
AF-1704-0135
Missile Engine Mechanic (HGM-25A)
AF-1704-0136
Missile Engine Mechanic, IM-99
AF-1704-0132
Missile Engine Mechanic (LGM-25)
AF-1715-0175
Missile Engine Mechanic (SM-65D)
AF-1704-0134
AF-1704-0140
Missile Engine Mechanic (SM-65E/F)
AF-1704-0133
Missile Engine Mechanic (SM-68A)
AF-1704-0136
Missile Engine Mechanic (SM-68B)
AF-1715-0175
Missile Engine Mechanic/Technician (SM-65)
AF-1704-0105
Missile Engine Mechanic/Technician (SM-65F)
AF-1704-0105
Missile Engine Mechanic/Technician, SM-68
AF-1704-0141
Missile Engine Mechanic/Technician, SM-68B
AF-1704-0138
Missile Facilities Specialist
AF-1715-0637
Missile Facilities Specialist (CGM-13B, AGE Crew)
AF-2203-0005
Missile Facilities Specialist (HGM-16F)
AF-1715-0437
Missile Facilities Specialist (HGM-25A)
AF-1715-0436
Missile Facilities Specialist, IM-99B
AF-1715-0429
Missile Facilities Specialist (LGM-25)
AF-1714-0007
AF-1714-0008
Missile Facilities Specialist (SM-65D)
AF-1715-0434
Missile Facilities Specialist (SM-65D & E)
AF-1715-0433
Missile Facilities Specialist (SM-65F)
AF-1715-0437
Missile Facilities Specialist (SM-68A)
AF-1715-0436
Missile Facilities Specialist (SM-68B)
AF-1714-0007
Missile Facilities Specialist, SM-80
AF-1731-0001
Missile Facilities Specialist/Technician (SM-65F)
AF-1715-0673
Missile Facilities Specialist/Technician SM-68B
AF-1715-0652
Missile Facilities Specialist, WS-133A
AF-1731-0001
Missile Facilities Technician, SM-80
AF-1704-0152
Missile Facility Water Treatment
AF-1732-0003
Missile Ground Support Equipment Repair Technician/Repairman (SM-65F)
AF-1704-0159
Missile Guidance and Control Specialist (AGM-28)
AF-1715-0649
Missile Guidance and Control Specialist (AGM-28A/B)
AF-1715-0649
Missile Guidance and Control Specialist (AGM/AIM)TAC
AF-1715-0712
Missile Guidance and Control Specialist (AIM) (ADC)
AF-1715-0671
Missile Guidance and Control Specialist (CGM-13B, FCC)
AF-1715-0172
Missile Guidance and Control Specialist (CGM-13B, GEMS)
AF-1715-0477
Missile Guidance and Control Specialist (CGM-13B, GSC)
AF-1715-0481
Missile Guidance and Control Specialist (LGM-25)
AF-1715-0137
Missile Guidance and Control Speicalist (AIM)
AF-1715-0671
Missile Guidance and Control Technician (AGM/AIM TAC SEA)
AF-1715-0691
Missile Hydraulic Repairman/Technician (SM-68)
AF-1704-0177
Missile Launch Equipment Repairman, WS-133A
AF-1715-0459
Missile Launch Equipment Repairman, WS-133B
AF-1715-0725
Missile Launch/Missile Officer (Atlas HGM-16F)
AF-1715-0636
Missile Launch/Missile Officer (ATLAS PGM-16E)
AF-1715-0651
Missile Launch/Missile Officer (Ballistic Missiles)
AF-1715-0663
Missile Launch/Missile Officer (LGM-25)
AF-1715-0692
Missile Launch/Missile Officer (SM-65D)
AF-1715-0715
Missile Launch/Missile Officer (SM-65E)
AF-1715-0651
Missile Launch/Missile Officer (SM-65F)
AF-1715-0636
Missile Launch/Missile Officer (SM-68A)
AF-1715-0670
Missile Launch/Missile Officer, SM-68B
AF-1715-0665
Missile Launch/Missile Officer (Titan I, HTM-25B)
AF-1715-0670
Missile Launch/Missile Officer (Titan II/LGM-25)
AF-1715-0674
Missile Launch Officer (CGM-13B)
AF-1715-0658
Missile Launch Officer, LGM-25
AF-1715-0692
Missile Launch Officer (Mace, MGM-13B)
AF-1715-0660
Missile Launch Officer (MACE, MGM-13C)
AF-1715-0658
Missile Launch Officer (MGM-13A)
AF-1715-0660
Missile Launch Officer, SM-80
AF-2203-0042
Missile Launch Officer (TM-76A)
AF-1715-0660
Missile Launch Officer (TM-76B)
AF-1715-0658
Missile Launch Officer, WS-133A
AF-2203-0042
Missile Launch Officer, WS-133A-M
AF-2203-0036
Missile Launch Officer WS-133B
AF-2203-0013
Missile Maintenance Mechanic/Technician (SM-68)
AF-1715-0697
Missile Maintenance Officer (CTT) WS-133A-M Integrated
AF-1715-0633
Missile Maintenance Officer (TM-76B)
AF-1715-0638
Missile Maintenance Officer, WS-133
AF-1715-0675
AF-1717-0022
Missile Maintenance Officer, WS-133 (T & A)
AF-1715-0675
Missile Maintenance Technician, SM-62
AF-1704-0160
Missile Mechanic (AGM-28A/B)
AF-1715-0693
Missile Mechanic (Ballistic)
AF-1715-0644
Missile Mechanic (CGM-13B)
AF-1715-0726
Missile Mechanic (CGM-13B, LCH Prep)
AF-1715-0331
Missile Mechanic (CGM-13B, MMC)
AF-1715-0726
Missile Mechanic, GAM-72
AF-1704-0154
Missile Mechanic (GAM-77)
AF-1715-0693
Missile Mechanic (HGM-25A)
AF-1704-0155
Missile Mechanic (LGM-25)
AF-1715-0724
Missile Mechanic (LGM-25C)
AF-1715-0724
Missile Mechanic (MACE, MGM-13B)
AF-1715-0727
Missile Mechanic (MACE, MGM-13C)
AF-1715-0726
Missile Mechanic/Maintenance Technician, IM-99B
AF-1704-0149
Missile Mechanic/Maintenance Technician, SM-68B
AF-1704-0151
Missile Mechanic (MGM-13B)
AF-1715-0727
Missile Mechanic (PGM-16E and PGM-16F)
AF-1704-0157
Missile Mechanic (SM-65D)
AF-1704-0139
Missile Mechanic (SM-65E/F)
AF-1704-0157
Missile Mechanic (SM-68A)
AF-1704-0155
Missile Mechanic (SM-68B)
AF-1715-0724
Missile Mechanic, SM-80
AF-1715-0729
Missile Mechanic Tactical (TM-76A)
AF-1715-0727
Missile Mechanic (Tactical) (TM-76A/B)

AF-1704-0150
Missile Mechanic Tactical (TM-76B) AF-1715-0726
Missile Mechanic (TM-61A/C) AF-1715-0642
Missile Mechanic (TM-76) AF-1704-0150
Missile Mechanic (TM-76A) AF-1704-0150
Missile Mechanic (TM-76A/B) AF-1704-0150
Missile Mechanic, WS-133 AF-1715-0664
Missile Mechanic, WS-133A AF-1715-0729
Missile Mechanic, WS-133A/A-M AF-1715-0729 AF-1715-0730
Missile Mechanic, WS-133B AF-1715-0353 AF-1715-0354
Missile Officer (CGM-13B) AF-2203-0025
Missile Officer, SM-80 AF-1717-0015
Missile Officer (T&A), WS-133A-M AF-2203-0024
Missile Officer (TM-76A) AF-1715-0647
Missile Officer (TM-76B) AF-1715-0638
Missile Officer, WS-133A AF-1717-0015 AF-1717-0016 AF-1717-0017
Missile Officer, WS-133A-M AF-1717-0019
Missile Officer, WS-133B AF-1715-0343 AF-1717-0018
Missile Pneudraulic Repairman AF-1704-0109
Missile Pneudraulic Repairman (HGM-25A) AF-1704-0113
Missile Pneudraulic Repairman (LGM-25) AF-1704-0173
Missile Pneudraulic Repairman (LGM-25C) AF-1704-0173
Missile Pneudraulic Repairman (PGM-16D) AF-1704-0112
Missile Pneudraulic Repairman (SM-65D) AF-1704-0112
Missile Pneudraulic Repairman (SM-68A) AF-1704-0113
Missile Pneudraulic Repairman (SM-68B) AF-1704-0173
Missile Pneudraulic Repairman, WS-133A AF-1704-0111
Missile Pneudraulic Repairman, WS-133A,B,A-M AF-1704-0111
Missile Pnuedraulic Repairman (SM-65F) AF-1704-0110
Missile Safety Technician AF-0802-0007
Missile Specialist (TM-61C) AF-1715-0642
Missile Specialist (TM-76) AF-1704-0150
Missile System Cable Splicing Specialist AF-1714-0018
Missile Systems Analyst Specialist AF-1715-0376
Missile Systems Analyst Specialist (AGM-28A/B) AF-1715-0454
Missile Systems Analyst Specialist (AGM-69A) AF-1715-0451
Missile Systems Analyst Specialist (CGM-13B, Lch Prep) AF-1715-0656
Missile Systems Analyst Specialist (LGM-25) AF-1715-0376
Missile Systems Analyst Specialist (TM-76A) AF-1704-0108 AF-1715-0666
Missile Systems Analyst Specialist (TM-76B) AF-1715-0668
Missile Systems Analyst Specialist, WS-133A AF-1715-0344 AF-1715-0345
Missile Systems Analyst Specialist, WS-133A-M AF-1715-0452
Missile Systems Analyst Specialist, WS-133B AF-1715-0731 AF-1715-0732
Missile Systems Analyst/Technician, GAM-77 AF-1715-0157
Missile Systems Analyst/Technician SM-62 AF-1715-0335
Missile Systems Analyst Technician (SM-65F) AF-1715-0315
Missile Systems Analyst Technician (SM68) AF-1715-0332
Missile Systems Analyst Technician (T and A), WS-133A-M AF-1715-0361
Missile Systems Analyst Technician (TEAT) WS-133A-M AF-1715-0384
Missile Systems Analyst Technician (TEAT), WS-133B AF-1715-0333
Missile Systems Analyst Technician, WS-133A-M AF-1715-0340 AF-1715-0361
Missile Systems Analyst Technician, WS-133A-M Integrated AF-1715-0329
Missile Systems Fundamentals AF-1715-0669
Missile Systems Maintenance Specialist (AGM-28) AF-1715-0649
Missile Systems Maintenance Specialist (LGM-25) AF-1715-0137
Missile Technician (GAM-77) AF-1704-0153
Missile Technician, SM-80 AF-1710-0018
Missile Test Equipment Specialist (SM65, 68) AF-1715-0334
Missile Test Equipment Specialist (TM-76A) AF-1715-0646
Missile Test Equipment Technician (Control), IM-99B AF-1715-0338
Missile Test Equipment Technician, GAM-77 AF-1715-0336
Missile Test Equipment Technician (Guidance), IM-99B AF-1715-0310
Missile Test Equipment Technician (Propulsion and Propellants) (SM68) AF-1715-0337
Missile Test Equipment Technician/Specialist (Launch Control Systems) (SM-65F) AF-1715-0654
Missile Test Equipment Technician/Specialist (Programmed Checkout Equipment) (SM-65F) AF-1715-0661
Tactical Missile Checkout Equipment Repairman (CGM-13B(TEMS)) AF-1715-0641
Tactical Missile Checkout Equipment Repairman (MACE MGM-13C/TEMS) AF-1715-0641
Tactical Missile Checkout Equipment Repairman (MGM-13B(TEMS)) AF-1715-0646
Tactical Missile Checkout Equipment Repairman (TM/76A/TEMS) AF-1715-0646
Tactical Missile Checkout Equipment Repairman (TM-76B, TEMS) AF-1715-0641
Tactical Missile Control Mechanic (TM-76A/B) AF-1715-0162
Tactical Missile Guidance Mechanic and Checkout Equipment Repairman (TM-76B, GEMS) AF-1715-0481
Tactical Missile Guidance Mechanic (CGM-13B) AF-1715-0481
Tactical Missile Guidance Mechanic (CGM-13B/GEMS) AF-1715-0477
Tactical Missile Guidance Mechanic (MACE, CGM-13B/GEMS) AF-1715-0477
Tactical Missile Guidance Mechanic (MACE, MGM-13C) AF-1715-0481
Tactical Missile Guidance Mechanic (MGM-13A) AF-1715-0484
Tactical Missile Guidance Mechanic (TM-76A) AF-1715-0484
Tactical Missile Guidance Mechanic (TM-76B/GEMS) AF-1715-0477
Tactical Missile Guidance Mechanic (TM-76B, GSC) AF-1715-0481
Tactical Missile Launch Specialist (CGM-13B) AF-1715-0657
Tactical Missile Launch Specialist (Mace, MGM-13C) AF-1715-0657
Tactical Missile Launch Specialist (MGM-13A)

AF-1715-0666
AF-1715-0667
Tactical Missile Launch Specialist (MGM-13B)
AF-1715-0666
AF-1715-0667
Tactical Missile Launch Specialist (TM-76A)
AF-1715-0666
AF-1715-0667
Tactical Missile Launch Specialist (TM-76B)
AF-1715-0657
Welding of High Performance Aircraft and Missile Systems
AF-1723-0005

Missiles
Fire Protection Specialist (Missiles)
AF-1728-0033

MMC
Missile Mechanic (CGM-13B, MMC)
AF-1715-0726

MMTMC-212
MMTMC-212, Field and Organizational (F/O) Maintenance
AF-1715-0193

Modem
Intermediate and Organizational Maintenance, TSEC/HY-2, SEBIT-24 Modem, Crypto Control Unit, and Digital Subset
AF-1715-0074

Morse
Morse Intercept Operator
AF-1404-0002
Morse Operator, Preparatory
AF-1409-0001
Morse Systems Operator
AF-2203-0032
Non-Morse Intercept Operator Preparatory
AF-1409-0001

Mortar
81MM Mortar/Fire Direction Center
AF-2203-0017

Motion
Motion Picture Laboratory Specialist
AF-1709-0025

Motor
Motor Transportation Supervisor
AF-0419-0020
Motor Vehicle Maintenance Management
AF-0419-0019
Motor Vehicle Maintenance Officer
AF-1405-0019
Motor Vehicle Management Officer
AF-1405-0019

MPS-11
AN/FPS-8 (MPS-11), FPS-6 and GPA-122 Organizational/Intermediate (O/I) Maintenance
AF-1715-0249

Multi-Engine
Advanced Pilot Multi-Engine TB-50 Training
AF-1606-0013
Advanced Pilot Training Multi-Engine B-25
AF-1606-0014
Advanced Pilot Training Multi-Engine T-29
AF-1606-0012
Basic Pilot Instructor, Multi-Engine Conventional
AF-1606-0141
Basic Pilot Training, Multi-Engine
AF-1606-0125
Pilot Instructor Training, Basic Multi-Engine (T-28)
AF-1606-0144

Multilith
Multilith 1250 Repair
DD-1706-0001

Multi-Media
Multi-Media Teaching System (Development)
AF-1406-0028

Munitions
Aerospace Munitions Officer
AF-1715-0545
Aerospace Munitions Staff Officer
AF-1715-0545
AF-1717-0024
Ammunition Officer (Munitions)
AF-1405-0047
Avionics Munitions Staff Officer
AF-1408-0049
Conventional Munitions Quality Assurance
AF-0802-0006
Munitions Maintenance Specialist
AF-2203-0039
Munitions Maintenance Specialist Retrainee
AF-0802-0005
Munitions Specialist
AF-2203-0039

MW-503
Radio Relay Equipment Repairman AN/FCC-21, AN/MCC-13, AN/FCC-32, MC-50, MW-503, and AN/FRC-39A(V)
AF-1715-0659

N-1
A-14 Autopilot and N-1, MD-1 Compasses
AF-1715-0630
E-6 Autopilot and N-1 Compass
AF-1715-0626
MC-1 Autopilot and N-1 Compass (KC-135)
AF-1715-0627
N-1 and MD-1 Compasses, AN/AJA-1 Computer and A-14 Autopilot
AF-1715-0624

National
National Cryptologic School Resident Language Courses
DD-0602-0011
National Security Management (Correspondence Course of the Industrial College of the Armed Forces)
DD-1511-0001
National War College
DD-1511-0002
Reserve Components National Security Seminar
DD-1511-0006

Navigation
Advanced Upgrade—Transport Navigation
AF-1606-0017
Airborne Electronic Navigation Equipment Repairman
AF-1715-0362
Airborne Electronic Navigation Equipment Repairman (SHORAN)
AF-1715-0521
Aircraft Electronic Navigation Equipment Maintenance Technician
AF-1715-0510
Aircraft Electronic Navigation Equipment Repairman
AF-1715-0680
Aircraft Electronic Navigation Equipment Repairman (AN/APN-82)
AF-1715-0517
Aircraft Electronic Navigation Equipment Repairman (AN/APN-82 and AN/APN-89)
AF-1715-0517
Aircraft Electronic Navigation Equipment Repairman (Doppler Supplement)
AF-1715-0517
Aircraft Electronic Navigation Equipment Repairman (General)
AF-1715-0680
Aircraft Electronic Navigation Equipment Repairman (SHORAN)
AF-1715-0521
Aircraft Electronic Navigation Equipment Repairman (TACAN Supplement)
AF-1715-0602
Aircraft Electronic Navigation Equipment Technician
AF-1715-0510
Aircraft Inertial and Radar Navigation Systems Repairman
AF-1715-0027
Aircraft Inertial and Radar Navigation Systems Repairman (AN/APN-81/89A/99A Doppler)
AF-1715-0026
Aircraft Inertial and Radar Navigation Systems Repairman (AN/APN-89/99/108 Doppler)
AF-1715-0026
Aircraft Inertial and Radar Navigation Systems Repairman (RF-4C Supplement)
AF-1715-0022
AN/APN-175(V)-3 Doppler Navigation System Maintenance
AF-1715-0254
Avionic Inertial and Radar Navigation Systems Specialist
AF-1715-0027
Avionic Inertial and Radar Navigation Systems Technician (AN/APN-81-89A/99A Doppler)
AF-1715-0024
Avionics Navigation Systems Specialist
AF-1715-0680
Bomb-Navigation System Mechanic (ASB-15 System)
AF-1715-0485
Bomb Navigation System Mechanic (B-52C/D: ASB-15 System)
AF-1715-0485
Bomb Navigation System Mechanic (B-52E, F, G, H; ASB-4A/9A/16 Systems)
AF-1715-0483
Bomb Navigation System Mechanic (K, MA-6A, MA-7A Systems)
AF-1715-0262
Bomb Navigation System Mechanic (MA-6A, MA-7A Systems)
AF-1715-0267
Bomb Navigation System Mechanic (MA-6A, MA-7A Systems) Televised
AF-1715-0256
Bomb Navigation Systems (Flight Line Mechanic)
AF-1715-0264

Bomb Navigation Systems Mechanic (ASB-4/4A/9/9A/16 Systems) AF-1715-0483
Bomb Navigation Systems Mechanic (ASB-4A/9A/16 Systems) AF-1715-0483
Bomb Navigation Systems Mechanic (ASB-4 Systems) AF-1715-0483
Bomb-Navigation Systems Mechanic (B-52C/D: ASB-15 System) AF-1715-0485
Bomb Navigation Systems Mechanic (B-52E, F, G, H; ASB-4A/9A/16 Systems) AF-1715-0483
Bomb Navigation Systems Mechanic (FB-111) AF-1715-0006
Bomb Navigation Systems Mechanic (K-5 Series) AF-1715-0268
Bomb Navigation Systems Mechanic (K, MA-6A, MA-7A Systems) AF-1715-0262
Bomb Navigation Systems Mechanic (K-Series) AF-1715-0262
Bomb Navigation Systems Mechanic (MA-2 System) AF-1715-0483
Bomb Navigation Systems Mechanic (MA-6A and MA-7A Systems) AF-1715-0267
Bomb Navigation Systems Mechanic (MA-6A, MA-7A Systems) AF-1715-0267
Bomb Navigation Systems Technician (ASB-4/4A/9/9A/16 Systems) AF-1715-0263
Bomb Navigation Systems Technician (ASB-4A/9A/16 Systems) AF-1715-0263
Bomb Navigation Systems Technician (ASB-4 and ASB-9 Systems) AF-1715-0263
Bomb Navigation Systems Technician (ASB-4 Systems) AF-1715-0263
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Computer) AF-1715-0225
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Radar and Interconnect) AF-1715-0212
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Series Radar Interconnects) AF-1715-0212
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Systems) AF-1715-0226
Bomb Navigation Systems Technician (K-Series Computer) AF-1715-0225
Bomb Navigation Systems Technician (K-Series Flight Line) AF-1715-0226
Bomb Navigation Systems Technician (MA-6A, 7A Radar and ICE) AF-1715-0212
Bomb Navigation Systems Technician (MA-6A and MA-7A Computer and Stab and Optics) AF-1715-0225
Bomb Navigation Systems Technician (MA-6A and MA-7A Systems) AF-1715-0226
Bomb Navigation Systems Technician (MA-6A, MA-7A Computer) AF-1715-0225
Bomb Navigation Systems Technician (MA-6A, MA-7A Radar and Interconnect) AF-1715-0212
Bomb Navigation Systems Technician (MA-6A, MA-7A Systems) AF-1715-0226
Bomb Navigation System Technician (K, MA-6A, MA-7A Series Stabilization and Optics) AF-1715-0563
F-111 Navigation Aids Test Stations Technician AF-1715-0184
F/FB-111 Navigation Aids Test Station Technician AF-1715-0007
Field and Organizational Maintenance of Automatic Navigation Computer (AN/ASN-7) AF-1715-0015
Integrated Avionics Component Specialist (Navigation/Flight and Weapons Control) AF-1715-0476
Integrated Avionics Component Specialist (Navigation/Flight and Weapons Control, and Flight Data Recorder Systems) AF-1715-0476
Integrated Avionics System Specialist (Navigation/Flight and Weapons Control) AF-1715-0476
K-5 Bomb-Navigation System (B-66) AF-1715-0410
MA-2/ASB-4 Bomb Navigation Systems (Analyst Supervisor) AF-1715-0287
MA-2/ASB-4 Bomb Navigation Systems (Radar and Computer Technician) AF-1715-0286
Navigation and Bombing Trainer Specialist AF-1715-0544
Navigation and Bombing Trainer Specialist (AN/APQ-T10) AF-1715-0544
Navigation and Bombing Trainer Specialist (AN/APQ-T2A) AF-1715-0544
Navigation and Bombing Trainer Specialist (AN/APQ-T3) AF-1715-0274
Navigation/Bombing/Tactics Trainer Specialist AF-1715-0455
Navigation/Bombing Trainer and Flight Simulator Tactics Specialist AF-1715-0455
Special Training On Radar Bombing Navigation System, AN/APQ-24A AF-1715-0617

Navigational
Aircraft Radio Repairman (Navigational) AF-1715-0069
AN/ASN-7 Automatic Navigational Computer AF-1715-0015
Ground Radio Maintenance Technician, Navigational Aids, Communications Systems AF-1715-0285

Navigator
Advanced Navigator Radar Bombardment Training AF-1606-0106
Advanced Navigator Reconnaissance Bombardment AF-1606-0106
ATC Instructor Training (Navigator) AF-1406-0039
Aviation Cadet Pre-Flight (Pilot and Navigator) AF-1606-0109
Basic Observer Navigator AF-1606-0018
C-141 Navigator Training AF-1606-0017
C-5 Navigator AF-1606-0016
HC-130 Navigator (Aircrew Training) AF-1606-0025
Navigator Advanced Flying (HC-130) ARRS AF-1606-0025
Navigator Bombardier AN/ASQ-38(V) AF-1606-0080
Navigator Bombardier (AN/ASQ-48) AF-1704-0185
Navigator Bombardier (ASQ-48) AF-1704-0185
Navigator/Bombardier System Training (FB-111) AF-1606-0146
Navigator Bombardier Training AF-1606-0106
Navigator Bombardier Training (ASQ-38) AF-1606-0080
Navigator Bombardier Training (MA-6A/7A) AF-1606-0106
Navigator Bombardier Upgrade Training (ASQ-38) AF-1606-0115
Navigator-Bombardier Upgrade Training (ASQ-42) AF-1606-0133
Navigator-Bombardier Upgrade Training (ASQ-48) AF-1606-0134
Navigator Bombardier Upgrade Training (FB-111) AF-1606-0084
Navigator, ECM AF-1715-0529
Navigator Instructor Training AF-1406-0039
Navigator Radar Intercept AF-1606-0045
Navigator Reconnaissance Upgrading Training (RF-4C) AF-1606-0090
Officer Pre-Flight Training (Navigator) AF-1606-0104
Primary-Basic Navigator Training AF-1606-0145
Primary-Basic Navigator Upgrading AF-1715-0621
Specialized Navigator/Electronic Warfare Training AF-1715-0599
Undergraduate Navigator Training AF-1606-0145

NAV/PILOT
F-111A Weapons System Training

(NAV/PILOT)
AF-1606-0117

NCMC
NCMC Computer Programmer
AF-1402-0009

NCO
Air Police (NCO)
AF-1728-0001
Senior NCO Academy
AF-2203-0009
Topography and Printing Staff Noncommissioned Officer (NCO)
DD-1601-0010

Nepali
Nepali
AF-0602-0007
AF-0602-0012

NET/NETOPS
NET/NETOPS
AF-0802-0023

Newspaper
Newspaper Editor
DD-0504-0003

Nitrogen
A-1A Oxygen, Nitrogen Generating Plant
AF-1601-0037

Nonappropriated
Nonappropriated Funds
AF-1408-0005

Noncommissioned
USAF Senior Noncommissioned Officer Academy
AF-2203-0009

Nonconventional
Fuel Specialist (Nonconventional) (SM-68B)
AF-1601-0047

Non-Destructive
Non-Destructive Inspection Specialist
AF-1724-0003
Non-Destructive Inspection (T/A 455)
AF-1724-0004
Non-Destructive Inspection Technician
AF-1601-0027
Non-Destructive Testing
AF-1724-0002
Non-Destructive Testing of Aircraft and Related Equipment Components
AF-1724-0002

Non-Ferrous
Heat Treatment of Ferrous and Non-Ferrous Metals
AF-1723-0003

Non-Morse
Non-Morse Intercept Operator Preparatory
AF-1409-0001

Non-Radar
Air Traffic Control Operator (Non-Radar)
AF-1704-0011

Nonresident
Air Command and Staff Nonresident Seminar Program
AF-1511-0002
Air War College Nonresident Seminar Program
AF-1511-0004

Norwegian
Norwegian
AF-0602-0004
AF-0602-0009
DD-0602-0001
DD-0602-0002

Nuclear
Air Transportation of Dangerous Cargo and Nuclear Weapons
AF-0419-0017
Missile and Nuclear Weapons Transportation Safety
AF-0419-0017
Nuclear Emergency Team/Nuclear Emergency Team Operations
AF-0802-0023
Nuclear Measurement Technician
AF-1715-0163
Nuclear Technician
AF-1715-0167
Nuclear Weapons Mechanical Specialist
AF-1715-0736
Nuclear Weapons Officer
AF-1715-0545
Nuclear Weapons Specialist
AF-1715-0501
AF-1715-0593
Nuclear Weapons Specialist AGM-69A
AF-1715-0700
Nuclear Weapons Specialist (CGM-13B, LCH Prep)
AF-2203-0047
Nuclear Weapons Specialist (Minuteman III Re-Entry System)
AF-2203-0012
Nuclear Weapons Specialist (Mk 11 R/V Family)
AF-2203-0018
Nuclear Weapons Specialist (Re-Entry Vehicle) (HGM-16F)
AF-1715-0640
Nuclear Weapons Specialist (Re-Entry Vehicle) (LGM-30C, MK 11)
AF-1715-0568
AF-1715-0603
Nuclear Weapons Specialist (Re-Entry Vehicle, LGM-30, Mk 11)
AF-1715-0568
Nuclear Weapons Specialist (Re-Entry Vehicles)
AF-1715-0639
Nuclear Weapons Specialist) (Re-Entry Vehicle) (SM-65E)
AF-1715-0640
Nuclear Weapons Specialist (Re-Entry Vehicle) (SM-65F)
AF-1715-0640
Nuclear Weapons Specialist (Re-Entry Vehicle) (SM-68B)
AF-1715-0640
Nuclear Weapons Specialist (Re-Entry Vehicle SM-80—Mk 5)
AF-1715-0590
Nuclear Weapons Technician (AGM-69A)
AF-1715-0700
Transportation of Dangerous Cargo, Nuclear Weapons and Missiles
AF-0419-0017

Nurse
Flight Nurse
AF-0703-0008
Medical Service Technician (Vocational Nurse)
AF-0703-0001
Nurse-Midwifery Residency
AF-0703-0002
Pediatrics Nurse Practitioner
AF-0703-0009

Nursing
Aerospace Nursing Residency
AF-0703-0004
Nursing Service Administration
AF-0703-0003
Nursing Service Management
AF-0703-0006

O-11A
O-11A and O-11B Crash Fire Truck Field Maintenance
AF-1728-0025
O-11A, O-11B and O-6 Crash Fire Truck Maintenance
AF-1703-0003

O-11B
O-11A and O-11B Crash Fire Truck Field Maintenance
AF-1728-0025
O-11A, O-11B and O-6 Crash Fire Truck Maintenance
AF-1703-0003

O-207/ALA-7
Special Course on Radar Set AN/ALT-7 and Pulse Generator O-207/ALA-7 (Depot)
AF-1715-0420

O-6
O-11A, O-11B and O-6 Crash Fire Truck Maintenance
AF-1703-0003
O-6 and R-2 Crash Rescue Trucks, Field and Organizational Maintenance
AF-1728-0024

OA-2325
AN/FPS-6 as Modified by OA-2325, Field and Organizational (F & O) Maintenance
AF-1715-0242

OA-492/APS-20B
Special Training on Antenna OA-492/APS-20B (Depot)
AF-1715-0415

OA-6943/GRC-137
Ground Systems Maintenance Technician (OA-6943/GRC-137)
AF-1402-0028

Object
Space Object Identification Analyst
AF-1304-0011

Observer
Advanced Observer Aircraft Performance Engineer
AF-1704-0115
Advanced Observer Intercept
AF-1606-0046
Advanced Observer, Intercept Training
AF-1606-0046
Advanced Observer Reconnaissance Bombardment
AF-1606-0106
Advanced Observer Strategic Bombardment
AF-1606-0092
Advanced Observer, Strategic Reconnaissance and Bombardment Training
AF-1606-0076
Advanced Observer, Tactical Reconnaissance and Bombardment Training
AF-1606-0075
Aircraft Observer Technical Upgrading
AF-1606-0031
Aircraft Observer Training—Pilot

AF-1606-0030
Aircraft Observer Upgrade Training
AF-1606-0031
Aircrew Transition—Medium Bomb-Jet (Aircraft Observer)
AF-1606-0039
Basic Observer Aircraft Performance Engineer Training
AF-1704-0116
Basic Observer B-36, B-47 and B-52
AF-1606-0135
Basic Observer Electronic Countermeasures
AF-1715-0564
Basic Observer Navigator
AF-1606-0018
Basic Observer Reconnaissance BORB-36/47/52
AF-1606-0079
Basic Observer Reconnaissance Training RB-57/66
AF-1606-0086
Instructor Training for Aircraft Observer
AF-1406-0039
Medium Bomb—Transition B-47 (Aircraft Observer)
AF-1606-0039
Primary-Basic Observer Cadet
AF-1606-0034
Primary-Basic Observer Upgrading
AF-1606-0033
Senior Observer Technical Specialist
AF-1715-0720
USAF Advanced Flying School, Interceptor (F-89D)—Radar Observer
AF-1606-0088
USAF Advanced Flying School (Interceptor-F-94C)—Radar Observer
AF-1606-0083
USAF Combat Flying School, Interceptor (F-94C)—Radar Observer
AF-1606-0083
USAF Combat Flying School, Interceptor (T-33/F-89D)—Radar Observer
AF-1606-0072
USAF Combat Flying School, Interceptor (T-33/F-94C)—Radar Observer
AF-1606-0074
USAF Combat Flying School, Light Bomb Jet (B-57)—Observer
AF-1606-0121
Weather Chief Observer
AF-1408-0044
Weather Observer
AF-1304-0001
Weather Observer Technician
AF-1304-0008

Offensive
Offensive Fire Control Systems Mechanic (MA-10, ASG-14 Systems)
AF-1715-0567
Offensive Fire Control Systems Mechanic (MA-8 System)
AF-1715-0464

Office
Automatic Central Office Equipment Repairman
AF-1715-0050
Automatic Central Office Equipment Technician (Kellogg K-60)
AF-1715-0685
Central Office Equipment Specialist (Manual)
AF-1715-0087
Dial Central Office Equipment Mechanic/Technician (SM-68)
AF-1715-0101
Dial Central Office Equipment Specialist
AF-1715-0100
Dial Central Office Equipment Specialist, SM-68B
AF-1715-0682
Manual Central Office Equipment Specialist
AF-1715-0087

Officer
Officer Candidate School
AF-2203-0040
USAF Officer Candidate School
AF-2203-0040

Offset
Offset Duplicating Equipment Operator
DD-1719-0004
Offset Printing
DD-1719-0002

Omni-Range
Special Training, Wilcox 482 Omni-Range System Maintenance Field and Organizational (F & O)
AF-1715-0190

One and Two Engines
Aircraft Maintenance Specialist, Jet Aircraft One and Two Engines
AF-1704-0036
Jet Aircraft Mechanic, One and Two Engines
AF-1704-0036

Open
Open Mess Management (Enlisted)
AF-1729-0004
Open Mess Management (Officer)
AF-1729-0003
Open Mess Management (U.S. Air Force)
AF-1729-0007

Operating
Operating Room Specialist
AF-0709-0010
Operating Room Supervisor
AF-0703-0005

Operations
Air Passenger and Operations Specialist
AF-0419-0002
Squadron Operations Center and Data Handling Equipment Repairman
AF-1715-0339

Operator
Aircraft Control and Warning Operator
AF-1715-0352
Aircraft Control and Warning Operator (Manual)
AF-1715-0352

Ophthalmology
Ophthalmology Surgical Technician
AF-0706-0001

Optical
Optical Survey Instrument Repair
DD-1721-0001
Precision Dimensional and Optical Measuring Technician
AF-1721-0006

Optics
Bomb Navigation System Technician (K, MA-6A, MA-7A Series Stabilization and Optics)
AF-1715-0563
K-Series Stabilization and Optics Technician
AF-1715-0611

Optometry
Optometry Specialist
AF-0706-0002

Organizational
Organizational Supply Specialist
AF-1405-0010
Organizational Supply Supervisor
AF-1405-0053
Special Organizational Supply
AF-1405-0057

Orientation
Basic Orientation Course for Officers of the Medical Service
AF-1408-0040
Chaplain Orientation
AF-1513-0003

OTS
OTS Instructor Training
AF-1406-0027

Outside
Outside Plant Installation
AF-1714-0021
Outside Plant Installation and Maintenance
AF-1714-0021
Outside Wire and Antenna Maintenance Repairman
AF-1714-0015
Outside Wire and Antenna Systems Installation and Maintenance
AF-1714-0015
Outside Wire and Antenna Systems Installation and Maintenance Specialist
AF-1714-0015

Oxygen
A-1A Oxygen, Nitrogen Generating Plant
AF-1601-0037
Liquid Oxygen Generation Plant Operation and Maintenance (25 Ton/D)
AF-1601-0015

PA-18
Primary Pilot Training (PA-18/T-6)
AF-1606-0110

Paper
AN/FPS-24 FD Radar Maintenance (Paper and Pencil)
AF-1715-0244
AN/FPS-35 FD Radar Maintenance (Paper and Pencil)
AF-1715-0241
High Speed Paper Tape Reader and Punch/DSSCS
AF-1715-0394

Parachute
Parachute Rigger
AF-1733-0001

Pararescue
Basic Pararescue Training
AF-0803-0002
Pararescue Advanced Flying Training—LBR
AF-1606-0130
Pararescue(Heavy Lift, Heli)
AF-1606-0035
Pararescue/Recovery Specialist—Medical
AF-0709-0007

Pararescueman
Basic Pararescueman
AF-0709-0026

Passenger
Advanced Air Transportation Passenger

AF-0419-0003
Air Passenger and Operations Specialist
AF-0419-0002
Air Passenger Specialist
AF-0419-0002
Air Passenger Specialist (Reserve)
AF-0419-0022
Passenger and Household Goods Specialist
AF-0419-0008
AF-0419-0025
Passenger Traffic Specialist
AF-0419-0025

Passive
Passive Defense Instructor
AF-0802-0004

Patrol
Combat Patrol Dog
AF-1728-0022
Patrol Dog Explosives Detection
AF-1728-0013
Patrol Dog Handler
AF-1728-0014
Patrol Dog Handler Supervisor
AF-1728-0023
Patrol Dog Handler Transition
AF-1728-0015
Patrol Dog Marijuana Detection
AF-1728-0010

Pavements
Pavements Maintenance Specialist
AF-1710-0006
AF-1710-0007

PB-10
Field and Organizational Maintenance, PB-10 Autopilot
AF-1715-0625

Pediatrics
Pediatrics Nurse Practitioner
AF-0703-0009

Penetration
F-111 Penetration Aids Test Stations Technician
AF-1715-0124
F/FB111 Penetration Aids Test Stations Technician
AF-1715-0207
AF-1715-0679
Integrated Avionics Component Specialists (Communication/Mission and Traffic Control and Penetration Aids)
AF-1715-0609

Performance
Advanced Observer Aircraft Performance Engineer
AF-1704-0115
Basic Observer Aircraft Performance Engineer Training
AF-1704-0116
Evaluation of Performance Measurement System
AF-1408-0029
Staff Aircraft Performance Engineer
AF-1104-0001
Staff Aircraft Performance Officer
AF-1107-0001
Structural Repair of High Performance Aircraft
AF-1704-0091

Persian
Dari—Afghan Persian
AF-0602-0007
Persian
AF-0602-0007
AF-0602-0011
DD-0602-0001
DD-0602-0002
DD-0602-0003
DD-0602-0004

Personal
Personal Affairs
AF-1406-0001
Personal Affairs Specialist
AF-1406-0001
Personal and Survival Equipment Training (Enlisted)
AF-1704-0183
Personal Equipment and Survival Training
AF-0802-0020
Personal Equipment and Survival Training (Enlisted)
AF-1704-0183
Personal Equipment Specialist
AF-1704-0182
Personal Equipment Specialist (General)
AF-1704-0182
Survival Training and Personal Equipment Officer
AF-0799-0006
Survival Training and Personal Equipment Specialist
AF-1704-0182

Personnel
Advanced Personnel Officer
AF-1408-0028
Base Level Military Personnel System (BLMPS)/Personnel Data System (PDS) Work Center Operations, Phase II
AF-1402-0060
Base Level Military Personnel System (BLMPS), Phase II
AF-1402-0060
Personnel Management and Data Systems
AF-1408-0030
Personnel Officer
AF-1406-0036
Personnel Services Officer
AF-1408-0023
Personnel Specialist
AF-1406-0005
Personnel Staff Officer
AF-1406-0031
Personnel Technician
AF-1406-0040
Professional Personnel Management
AF-1406-0033

Pest
Disease Vector and Pest Control Technology
AF-0101-0001
Pest Control (SEA)
AF-0101-0004

Petroleum
Fuels Management Officer (Petroleum Fuels)
AF-1601-0043
Fuels Officer (Petroleum Fuels)
AF-1601-0043
Fuel Specialist (Petroleum Fuels)
AF-1601-0035
Petroleum Plants and Systems, Advanced Maintenance
AF-1601-0039
Petroleum Supply Specialist
AF-1601-0035
Petroleum Systems Maintenance Technician
AF-1601-0038
Petroleum Tank Cleaning Supervisor
AF-0802-0015

PGM-16D
Ballistic Missile Analyst Specialist (PGM-16D)
AF-1715-0294
Missile Pneudraulic Repairman (PGM-16D)
AF-1704-0112

PGM-16D/E
Liquid Fuel Systems Maintenance Specialist (PGM-16D/E)
AF-1601-0034

PGM-16E
Ballistic Missile Analyst Specialist (PGM-16E)
AF-1715-0300
Missile Launch/Missile Officer (ATLAS PGM-16E)
AF-1715-0651
Missile Mechanic (PGM-16E and PGM-16F)
AF-1704-0157

Pharmacy
Apprentice Pharmacy Specialist
AF-0709-0014
Pharmacy Specialist
AF-0709-0014
Pharmacy Technician
AF-0709-0003

Phase II
Base Level Military Personnel System (BLMPS)/Personnel Data System (PDS) Work Center Operations, Phase II
AF-1402-0060
Base Level Military Personnel System (BLMPS), Phase II
AF-1402-0060
BLMPS/PDS Work Center Operations, Phase II
AF-1402-0060
Phase II General Accounting Applications
AF-1402-0004
Phase II Systems Management
AF-1408-0027
Veterinary Specialist Phase II
AF-0102-0003

Photo
Advanced Aerospace Photo Intelligence
AF-1606-0047
Color Photo Processes
AF-1709-0009
Industrial Photo Interpretation and Bomb Damage Assessment
AF-1606-0053
Intelligence Photo-Radar Officer
AF-1606-0061
AF-1709-0017
AF-1709-0021
Photo Interpretation Specialist
AF-1606-0050
Photo Interpretation Technician
AF-1606-0058

Photogrammetric
Advanced Photogrammetric Cartographic
AF-1709-0013
Advanced Photogrammetric Cartographic Techniques
DD-1601-0005
Basic Photogrammetric Cartographic Techniques
DD-1601-0001

Photogrammetric-Cartographic Technician
AF-1709-0013
Photogrammetric Compilation
DD-1601-0009

Photographer
Aerial Photographer
AF-1709-0005
Combat Still Photographer, Operator
AF-1709-0002
Photographer
AF-1709-0010
Still Photographer
AF-1709-0010

Photographic
Aerospace Photographic Systems Repairman
AF-1715-0291
Baker-Nunn Photographic Maintenance
AF-1721-0005
Integrated Avionics System Specialist (Inertial/Bomb Navigation, Fire/Weapon Control, Digital Computers, Airborne Photographic Systems, and Multi-Sensor Displays)
AF-1715-0210
Intelligence Precision Photographic Officer
AF-1606-0056
Photographic Intelligenceman
AF-1606-0059
Photographic Interpretation
AF-1709-0003
Photographic Repairman
AF-1715-0291
Precision Photographic Processing Control
AF-1709-0001
Precision Photographic Processing Control Technician
AF-1709-0001
Precision Photographic Processing Specialist
AF-1709-0022
AF-1709-0023
Precision Photographic Processing Technician
AF-1709-0001
Precision Photographic Processing Techniques
AF-1709-0024
Precision Photographic Services Officer
AF-1709-0006
Precision Photographic Systems Repairman
AF-1715-0028
Precision Photographic Systems Technician
AF-1709-0019
Still Photographic Camera Specialist
AF-1709-0020
Still Photographic Laboratory Specialist
AF-1709-0018
Still Photographic Officer
AF-1709-0026

Photography
Lithographic Photography
DD-1719-0003

Photojournalism
Intermediate Photojournalism
DD-1709-0001
Still Photojournalism
AF-1709-0004

Photomapping
Photomapping
AF-1601-0026

Photoprocessing
Precision Photoprocessing Specialist
AF-1709-0022
AF-1709-0023
Precision Photoprocessing Technician
AF-1709-0001

Physical
Physical Therapy (Advanced)
AF-0704-0003
Physical Therapy Specialist
AF-0704-0002
Physical Therapy Technician
AF-0704-0001

Physician's
Physician's Assistant
AF-0709-0008

Physiological
Apprentice Physiological Training Specialist
AF-0709-0016
Physiological Training Officer
AF-0709-0017
Physiological Training Specialist
AF-0709-0016
Physiological Training Supervisor
AF-0709-0022

Picture
Motion Picture Laboratory Specialist
AF-1709-0025
Sound and Picture Editing Specialist
AF-1709-0011

Pilot
Advanced Flying School Transport Pilot (C-141)
AF-1606-0019
Advanced Helicopter Pilot Training
AF-1606-0036
Advanced Helicopter Pilot Training (H-1/H-3/H-43/H-53)
AF-1606-0131
Advanced Pilot Multi-Engine TB-50 Training
AF-1606-0013
Advanced Pilot Training Multi-Engine B-25
AF-1606 0014
Advanced Pilot Training Multi-Engine T-29
AF-1606-0012
Aircraft Observer Training—Pilot
AF-1606-0030
Army Primary Pilot Training
AF-1606-0143
Aviation Cadet Pre-Flight (Pilot)
AF-1606-0109
Aviation Cadet Pre-Flight (Pilot and Navigator)
AF-1606-0109
Basic Pilot Instructor, Multi-Engine Conventional
AF-1606-0141
Basic Pilot Training
AF-1606-0124
Basic Pilot Training, Multi-Engine
AF-1606-0125
Basic Pilot Training, Single-Engine (Jet)
AF-1606-0124
C-141 Pilot
AF-1606-0019
C-5 Pilot
AF-1606-0023
C-9A Pilot Basic
AF-1606-0049
Electronic Warfare Training (Specialized F-4 Pilot)
AF-1606-0114
Experimental Test Pilot
AF-1606-0093
GAM-83 Pilot Ground Trainer Operator/Maintenance
AF-1715-0322
H-1 Helicopter Pilot
AF-1606-0131
Helicopter Instructor Pilot (H-1, H-1N, H-1F, CH-3, CH-53, HH-53)
AF-1606-0066
Helicopter Instructor Pilot Training
AF-1606-0063
Helicopter Pilot Conversion Training (H-1F)
AF-1606-0113
Helicopter Pilot Conversion Training, (H-1F/H-43)(H-1F/CH-3)
AF-1606-0112
Helicopter Pilot Instructor Training (H-19/H-21)
AF-1406-0016
Helicopter Pilot Instructor Training (H-43/TH-1F/CH-3)
AF-1606-0068
Helicopter Pilot Training (CH-36)
AF-1606-0010
Helicopter Pilot Training (H-13, H-19 and H-21)
AF-1606-0006
Helicopter Pilot Training, H-19/H-21
AF-1606-0006
Helicopter Pilot Training, H-19/H-21/H-43B
AF-1606-0006
Helicopter Pilot Training (H-19/H-43B)(H-19/CH-3C)
AF-1606-0008
Helicopter Pilot Training (H-19/H-43)(H-19/H-3)
AF-1606-0007
Helicopter Pilot Training (H-1F/H-1F)(H-1F/CH-3)(H-1F/H-43)
AF-1606-0009
Helicopter Pilot Transition Training (CH-3, H-43, H-1F)
AF-1606-0111
Helicopter Pilot Transition Training (TH-1)
AF-1606-0091
Instrument Pilot Instructor (Helicopter)
AF-1406-0029
Instrument Pilot Instructor Training (T-29)
AF-1406-0019
Instrument Pilot Instructor Training (T-33)
AF-1406-0020
Instrument Pilot Instructor Training (T-38)
AF-1606-0011
Instrument Pilot Instructor Training (T-38/T-39)
AF-1606-0011
Instrument Pilot Instructor Training (T-39)
AF-1606-0011
Instrument Pilot, Jet
AF-1606-0078
Instrument Pilot Training (C-47)
AF-1606-0119
Interceptor Pilot Instructor Training (F-102)
AF-1606-0096
Interceptor Pilot Training (F-102)

AF-1606-0100
Interceptor Pilot Training (F-86L)
AF-1606-0077
Officer Pre-Flight Training (Pilot)
AF-1606-0103
Pilot Advanced Flying
AF-1606-0065
Pilot Advanced Flying (H-3) Basic
AF-1606-0036
Pilot Advanced Flying (H-53) Basic
AF-1606-0036
Pilot Advanced Flying (HC-130) ARRS
AF-1606-0026
Pilot Advanced Flying (HH-3E) ARRS
AF-1606-0036
Pilot Advanced Flying (HH-43) ARRS
AF-1606-0128
Pilot Advanced Flying (HH-53) ARRS
AF-1606-0036
Pilot Advanced Flying (TH-1F) Basic
AF-1606-0138
Pilot Advanced Flying (TH-1F) SAC
AF-1606-0139
Pilot Advanced Flying (UH-1N) Basic
AF-1606-0140
Pilot Instructor Training (Basic)
AF-1406-0008
Pilot Instructor Training, Basic Multi-Engine (T-28)
AF-1606-0144
Pilot Instructor Training-Basic Single-Engine (Jet)
AF-1406-0008
Pilot Instructor Training, Primary (T-34/T-28)
AF-1512-0001
Pilot Instructor Training (T-28)
AF-1406-0015
Pilot Instructor Training (T-33)
AF-1406-0008
Pilot Instructor Training (T-37)
AF-1406-0021
Pilot Instructor Training (T-38)
AF-1406-0010
AF-1606-0101
Pilot Instructor Training (T-41)
AF-1406-0011
Primary Pilot Training (PA-18/T-6)
AF-1606-0110
Primary Pilot Training (T/34/T-28)
AF-1606-0110
Transition Pilot Training (C-47)
AF-1606-0029
Undergraduate Pilot Training Helicopter (H-19/H-43B or H-19/CH-3C)
AF-1606-0006
Undergraduate Pilot Training Helicopter (T-28)
AF-1606-0005
Undergraduate Pilot Training (T-28A/T-28B)
AF-1606-0004
Undergraduate Pilot Training (T-37/T-33)
AF-1606-0022
Undergraduate Pilot Training (T-41, Interim)
AF-1606-0003
Undergraduate Pilot Training (T-41/T-37/ T-33)
AF-1606-0022
Undergraduate Pilot Training (T-41/T-37/T-38)
AF-1606-0022
USAF Advanced Flying School, Interceptor (F-89D)-Pilot
AF-1606-0087
USAF Advanced Flying School (Interceptor-F-94C)—Pilot
AF-1606-0082
USAF Advanced Interceptor Pilot Training F-86L
AF-1606-0077
USAF Combat Flying School, Interceptor (F-94C)—Pilot
AF-1606-0082
USAF Combat Flying School, Interceptor (T-33/F-89D)—Pilot
AF-1606-0071
USAF Combat Flying School, Interceptor (T-33/F-94C)—Pilot
AF-1606-0073
USAF Combat Flying School, Light Bomb Jet (B-57)—Pilot
AF-1606-0120
USAF Instrument Pilot Instructor, Conventional (B-25)
AF-1406-0019
USAF Instrument Pilot Instructor Training (Jet)
AF-1406-0020
USAF Instrument Pilot Instructor Training (Reciprocating)
AF-1406-0019
USAF Instrument Pilot Instructor Training (Reciprocating Engine)
AF-1406-0019

Pilotless
Pilotless Aircraft Control Systems Mechanic
AF-1715-0247
Pilotless Aircraft Guidance and Control Officer
AF-1715-0648

Pilots
Special Operations Training, AC-130E Pilots
AF-1606-0020

Planner
Logistics Planner
AF-1405-0039

Plant
Inside Plant, Installation
AF-1714-0019
Outside Plant Installation
AF-1714-0021
Outside Plant Installation and Maintenance
AF-1714-0021

Platemaking
Lithographic Stripping and Platemaking
DD-1719-0001

Plumber
Plumber
AF-1710-0002
Plumber/Plumbing Supervisor (SM-65F)
AF-1710-0003
Plumber/Plumbing Supervisor (SM-68B)
AF-1710-0001

Plumbing
Plumbing Specialist
AF-1710-0002
Plumbing System Maintenance (LGM-25)
AF-1710-0001

Pneudraulic
Aircraft and Missile Pneudraulic Repairman
AF-1704-0041
Aircraft and Missile Pneudraulic Repair Technician
AF-1704-0014
Aircraft Pneudraulic Repairman
AF-1704-0041
Aircraft Pneudraulic Repair Technician
AF-1704-0014
Missile and Facility Pneudraulic Technician (SM-65F)
AF-1704-0146
Missile Pneudraulic Repairman
AF-1704-0109
Missile Pneudraulic Repairman (HGM-25A)
AF-1704-0113
Missile Pneudraulic Repairman (LGM-25)
AF-1704-0173
Missile Pneudraulic Repairman (LGM-25C)
AF-1704-0173
Missile Pneudraulic Repairman (PGM-16D)
AF-1704-0112
Missile Pneudraulic Repairman (SM-65D)
AF-1704-0112
Missile Pneudraulic Repairman (SM-68A)
AF-1704-0113
Missile Pneudraulic Repairman (SM-68B)
AF-1704-0173
Missile Pneudraulic Repairman, WS-133A
AF-1704-0111
Missile Pneudraulic Repairman, WS-133A,B,A-M
AF-1704-0111

Police
Air Police
AF-1728-0019
Air Police (Basic)
AF-1728-0019
Air Policeman (Basic Air Police)
AF-1728-0019
Air Police (NCO)
AF-1728-0001
Air Police Officer
AF-1728-0018
Air Police (Provost Marshal) Phase I
AF-1728-0029
Air Police Supervisor
AF-1728-0001
Combat Security Police
AF-1728-0017
Police Administration
AF-1728-0016
Security Police Administration
AF-1728-0016
Security Police Combat Preparedness
AF-1728-0003
Security Police Officer
AF-1728-0018
Security Police Officer Combat Preparedness
AF-1728-0012
Security Police Staff Officer
AF-1728-0007
Security Police Supervisor
AF-1728-0028

Policeman
Air Policeman
AF-1728-0019
Air Policeman (Basic Air Police)
AF-1728-0019
Security Policeman
AF-1728-0019
Sentry Dog Handler (Air Policeman)
AF-1728-0002

Polish
Polish
AF-0602-0007
AF-0602-0011
DD-0602-0001
DD-0602-0002
DD-0602-0003
DD-0602-0006

Portuguese
Portuguese
AF-0602-0001
AF-0602-0004
AF-0602-0006
DD-0602-0001
DD-0602-0002
DD-0602-0003
DD-0602-0004
DD-0602-0009

Postal
Postal Operations
AF-1404-0001

Postgraduate
Postgraduate Intelligence Course
DD-1511-0004

Power
A/E24U-8 Power Plant Intermediate and Organizational (I & O) Maintenance
AF-1704-0143
Electrical Power Production, Aleutian Dew Line
AF-1712-0002
Electrical Power Production Operator
AF-1712-0005
Electrical Power Production Repairman
AF-1712-0004
Electrical Power Production Repairman/Technician (SM-68)
AF-1712-0003
Electrical Power Production Specialist
AF-1712-0005
Electrical Power Production Specialist/Technician, SM-68B
AF-1715-0306
Electrical Power Production System Maintenance (LGM-25)
AF-1715-0575
Electrical Power Production Technician
AF-1715-0579
Electrical Power Production Technician/Specialist, SM-65F
AF-1715-0432
Electric Power Line Specialist
AF-1714-0001
Power Production, Operation and Maintenance (SAGE)
AF-1715-0431
Power Production Specialist (Dew Line)
AF-1712-0002

P/P
Ground Radio Communications Equipment Repairman (Long Haul Communications G/A and P/P)
AF-1715-0240

Precision
Precision Dimensional and Optical Measuring Technician
AF-1721-0006
Precision Measuring Equipment Specialist
AF-1715-0032
Precision Measuring Equipment Specialist (Electronics)
AF-1715-0033
Precision Measuring Equipment Technician
AF-1715-0032
Precision Photographic Processing Control
AF-1709-0001
Precision Photographic Processing Control Technician
AF-1709-0001
Precision Photographic Processing Specialist
AF-1709-0022
AF-1709-0023
Precision Photographic Processing Technician
AF-1709-0001
Precision Photographic Processing Techniques
AF-1709-0024
Precision Photographic Services Officer
AF-1709-0006
Precision Photographic Systems Repairman
AF-1715-0028
Precision Photographic Systems Technician
AF-1709-0019
Precision Photoprocessing Specialist
AF-1709-0022
AF-1709-0023
Precision Photoprocessing Technician
AF-1709-0001
Precision Physical Measuring Technician
AF-1721-0007

Prediction
Command Oriented Radar Prediction
AF-2203-0002

Pre-Flight
Aviation Cadet Pre-Flight (Pilot)
AF-1606-0109
Aviation Cadet Pre-Flight (Pilot and Navigator)
AF-1606-0109
Officer Pre-Flight Training (Navigator)
AF-1606-0104
Officer Pre-Flight Training (Pilot)
AF-1606-0103

Preparatory
Printer Systems Operator, Preparatory
AF-1715-0702

Preparedness
Disaster Preparedness
AF-0802-0003
Disaster Preparedness Officer
AF-0802-0017
Disaster Preparedness Specialist
AF-0802-0001
AF-0802-0002
Disaster Preparedness Specialist (Additional Duty)
AF-0802-0001
Disaster Preparedness Specialist (Remote Duty)
AF-0802-0001

Prevention
Air Force Weapons Accident Prevention and Management
AF-0802-0021
Fire Prevention Technician
AF-1728-0032

Preventive
Apprentice Preventive Medicine Specialist
AF-0707-0005
General Preventive Medicine, Residency, Phases II and III
AF-0707-0002
Preventive Dentistry Specialist
AF-0701-0008
Preventive Medicine Specialist
AF-0707-0005
Preventive Medicine Technician
AF-0707-0004

Price
Defense Cost Price Analysis
AF-1408-0001

Pricing
Defense Advance Procurement Pricing
AF-1408-0008
Defense Contract Pricing Techniques
AF-1408-0003
Quantitative Methods for Advanced Procurement Pricing
AF-1408-0010

Primary
Army Primary Pilot Training
AF-1606-0143
Primary-Basic Navigator Training
AF-1606-0145
Primary-Basic Navigator Upgrading
AF-1715-0621
Primary Pilot Training (PA-18/T-6)
AF-1606-0110
Primary Pilot Training (T/34/T-28)
AF-1606-0110

Printer
Printer Systems Operator, Preparatory
AF-1715-0702

Printing
Offset Printing
DD-1719-0002
Topography and Printing Staff Noncommissioned Officer (NCO)
DD-1601-0010

Prior
Prior Service Military Training
AF-2203-0049

Processes
Quality Control—Materials and Processes
AF-1724-0001

Processing
Metals Processing Specialist
AF-1723-0004
Precision Photographic Processing Control
AF-1709-0001
Precision Photographic Processing Control Technician
AF-1709-0001
Precision Photographic Processing Specialist
AF-1709-0022
AF-1709-0023
Precision Photographic Processing Technician
AF-1709-0001
Precision Photographic Processing Techniques
AF-1709-0024

Processor
Data Processor/Display (AN/FYQ-9), Field/Organizational (F/O) Maintenance
AF-1715-0276

Procurement
Advanced Base Procurement Management
AF-1405-0029
Base Procurement Officer
AF-1405-0014
AF-1405-0038

Central Procurement Officer
AF-1405-0015
AF-1405-0032
Defense Advance Procurement Pricing
AF-1408-0008
Procurement and Production Officer Fundamentals
AF-1408-0057
Procurement Officer
AF-1405-0048
AF-1405-0055
Procurement Specialist
AF-1405-0020
AF-1408-0069
Procurement Supervisor
AF-1408-0034
Quantitative Methods for Advanced Procurement Pricing
AF-1408-0010
Research and Development Procurement Officer
AF-1405-0036
AF-1405-0043
Systems Procurement Officer
AF-1405-0016
AF-1405-0017
AF-1405-0037

Production
Advanced Production Management
AF-1408-0014
Maintenance Engineering Production Analysis
AF-1408-0006
AF-1408-0007
Procurement and Production Officer Fundamentals
AF-1408-0057
Production Control
AF-1601-0001
Production Management
AF-1408-0059
Production Management II
AF-1408-0014
Television Production Specialist
AF-0505-0001

Professional
Professional Military Comptroller
AF-1408-0004
Professional Personnel Management
AF-1406-0033

Program
Automated Systems Program Designer
AF-1402-0010
AF-1402-0044
Automated Systems Program Designer (Management Support Systems)
AF-1402-0010
Program Management
DD-1408-0002
Program Management for Contract Administration
DD-1408-0004
Program Management for Functional Managers
DD-1408-0004
System Program Management
AF-1408-0060

Programmer
Air Force Integrated Command and Control System Computer Programmer
AF-1402-0034
BUIC III Computer Programmer
AF-1402-0052
BUIC Systems Computer Programmer
AF-1402-0051
Command and Control Systems Computer Programmer
AF-1402-0058
HM4118 Computer Programmer Tactical and Control System
AF-1402-0033
Instructional Programmer
AF-1406-0024
NCMC Computer Programmer
AF-1402-0009
SAGE Computer Programmer
AF-1402-0030
Store and Forward Communications System Computer Programmer
AF-1402-0018
AF-1402-0057
Weapon Support Systems Computer Programmer
AF-1402-0058

Programming
Advanced COBOL Programming Techniques
AF-1402-0049
Automated Systems Programming Technician (Management Support Systems)
AF-1402-0002
B 263 Computer Programming and Operation
AF-1402-0015
BUIC Computer Programming
AF-1402-0061
C-E Programming (Staff Officer)
AF-1408-0047
Checkout Sequence Programming Set, AN/GSM-133 (AGM-69A)
AF-1402-0067
COBOL Programming
AF-1402-0011
Communications-Electronics Programming (Staff Officer)
AF-1408-0047
Computer Programming
AF-1402-0008
Computer Systems Programming Officer
AF-1402-0035
AF-1402-0048
Computer Systems Programming Officer, SAGE
AF-1402-0032
FORTRAN Programming
AF-1402-0007
JOVIAL Programming
AF-1402-0013
Programming Concepts
AF-1402-0054
Programming Specialist
AF-1402-0037

Programs
Communications-Electronics Programs Management
AF-1408-0050
Programs and Work Control Specialist
AF-1717-0009
Programs and Work Control Technician (BEAMS)
AF-1408-0045

Propellant
Fuel Specialist (Missile Liquid Fuel Propellant)
AF-1405-0023
Fuel Specialist (Missile Liquid Fuel Propellant) (LGM-25)
AF-1601-0047

Propellants
Missile Test Equipment Technician (Propulsion and Propellants) (SM68)
AF-1715-0337

Propeller
Aircraft Propeller Repairman
AF-1704-0046
Aircraft Propeller Technician
AF-1704-0040
Field and Organizational Maintenance A6341FN-D1 Propeller
AF-1704-0103
Field and Organizational Maintenance of 34G60 Propeller
AF-1704-0048
Hamilton Standard Propeller, C-119 Installation
AF-1704-0127

Property
Industrial Property Administration (JT)
AF-0326-0001

Propulsion
Missile Test Equipment Technician (Propulsion and Propellants) (SM68)
AF-1715-0337
Propulsion Shop Management
AF-1717-0001
Rocket Propulsion Technician (Interim)
AF-1704-0163

Prosthetics
Chrome-Cobalt Dental Prosthetics
AF-0701-0017
Complete Denture Prosthetics
AF-0701-0010
Crown and Bridge Dental Prosthetics
AF-0701-0011
Crown and Fixed Partial Denture Prosthetics
AF-0701-0011
Removable Partial Denture Prosthetics
AF-0701-0012

Protection
Fire Protection Fundamentals
AF-1728-0037
Fire Protection Specialist
AF-1728-0037
Fire Protection Specialist (Missiles)
AF-1728-0033
Fire Protection Supervisor
AF-1728-0034

Protective
F-4 Protective Equipment Specialist
AF-1704-0180
F-4 Protective Equipment Technician
AF-1704-0180
Maintenance of Survival and Aircrew Protective Equipment (Fabric and Leather)
AF-1716-0003
Maintenance of Survival and Aircrew Protective Equipment (Fabric, Leather, and Rubber)
AF-1716-0003
Protective Coating Specialist
AF-1710-0013
Protective Equipment Specialist
AF-1704-0182
Survival Training and Protective Equipment Officer
AF-0802-0020

Provisioning
Initial Provisioning
AF-1405-0035

Provost
Air Police (Provost Marshal) Phase I
AF-1728-0029

Provost Marshal
AF-1728-0029

Psychiatric
Psychiatric Ward Specialist
AF-0708-0001

Public
Public Information Enlisted
DD-0504-0008
Public Information Officer
DD-0504-0007

Publications
Publications Functions (Supervisor)
AF-1408-0055

Pulse
Special Course on Radar Set AN/ALT-7 and Pulse Generator O-207/ALA-7 (Depot)
AF-1715-0420

Punched Card
Data Processing Machine Operator (Punched Card)
AF-1402-0025
AF-1402-0026
Data Processing Machine Supervisor (Punched Card)
AF-1402-0036

Purchasing
Purchasing and Contracting Officer
AF-1405-0048

Q System
Special Electronics Equipment Specialist, Q System
AF-1715-0350

Quality
Conventional Munitions Quality Assurance
AF-0802-0006
Quality Control—Materials and Processes
AF-1724-0001

Quantitative
Advanced Quantitative Methods in Cost Analysis
AF-1115-0004
Basic Quantitative Methods in Cost Analysis
AF-1115-0005
Quantitative Methods for Advanced Procurement Pricing
AF-1408-0010
Quantitative Methods in Cost Analysis
AF-1115-0004

R-2
O-6 and R-2 Crash Rescue Trucks, Field and Organizational Maintenance
AF-1728-0024

R2800
Reciprocating Engine Conditioning With Analyzers (R2800 and Smaller)
AF-1704-0071

R3350
Reciprocating Engine Conditioning With Analyzers (R3350)
AF-1704-0071

R4360
Reciprocating Engine Conditioning With Analyzers (R4360)
AF-1704-0071

Race
Defense Race Relations Institute
DD-1512-0001

Radar
Advanced Navigator Radar Bombardment Training
AF-1606-0106
Airborne Early Warning Radar Repairman (AN/APS-20E)
AF-1715-0025
Airborne Early Warning Radar Repairman (AN/APS-45)
AF-1715-0029
Airborne Early Warning Radar Specialist Principles
AF-1715-0533
Aircraft Control and Warning (AC & W) Radar Officer
AF-1715-0369
Aircraft Control and Warning (AC & W) Radar Repairman (AN/GLR-1/FLR-12)
AF-1715-0234
Aircraft Control and Warning Radar Maintenance Technician
AF-1715-0064
Aircraft Control and Warning Radar Repairman
AF-1715-0687
Aircraft Control and Warning Radar Repairman (AN/CPS-6B and AN/FPS-6)
AF-1715-0023
Aircraft Control and Warning Radar Repairman (AN/CPS-6B and IFF)
AF-1715-0023
Aircraft Control and Warning Radar Repairman (AN/FPS-18, AN/FST-1, AN-FSA-10, AN/FSW-1)
AF-1715-0060
Aircraft Control and Warning Radar Repairman (AN/FPS-20 and AN/FPS-6)
AF-1715-0115
Aircraft Control and Warning Radar Repairman (AN/FPS-3, AN/FPS-6)
AF-1715-0103
Aircraft Control and Warning Radar Repairman (AN/FPS-3, AN/FPS-6 and IFF)
AF-1715-0103
Aircraft Control and Warning Radar Repairman (AN/FPS-8 and AN/FPS-4)
AF-1715-0105
Aircraft Control and Warning Radar Repairman, AN/FPS-8, AN/FPS-4
AF-1715-0020
Aircraft Control and Warning Radar Repairman, AN/FPS-8, AN/FPS-4, and IFF
AF-1715-0020
Aircraft Control and Warning Radar Repairman, AN/FST-2
AF-1715-0111
Aircraft Control and Warning Radar Repairman (AN/GPA-37)
AF-1715-0056
Aircraft Control and Warning Radar Repairman (AN/TPS-1D, AN/TPS-10D)
AF-1715-0118
Aircraft Control and Warning Radar Repairman (AN/TPS-1D, AN/TPS-10D and IFF)
AF-1715-0118
Aircraft Control and Warning Radar Technician
AF-1715-0064
Aircraft Early Warning Radar Maintenance Technician
AF-1715-0282
Aircraft Early Warning Radar Repairman
AF-1715-0427
Aircraft Early Warning Radar Repairman (for Navy Personnel)
AF-1715-0364
Aircraft Inertial and Radar Navigation Systems Repairman
AF-1715-0027
Aircraft Inertial and Radar Navigation Systems Repairman (AN/APN-81/89A/99A Doppler)
AF-1715-0026
Aircraft Inertial and Radar Navigation Systems Repairman (AN/APN-89/99/108 Doppler)
AF-1715-0026
Aircraft Inertial and Radar Navigation Systems Repairman (RF-4C Supplement)
AF-1715-0022
Air Traffic Control Operator (Radar)
AF-1704-010
Air Traffic Control Operator (Radar) (Army)
AF-1704-010
Air Traffic Control Radar Maintenance Technician
AF-1715-0397
Air Traffic Control Radar Repairman
AF-1715-0488
Air Traffic Control Radar Repairman, AN/CPN-18, AN/FPN-16
AF-1715-0676
Air Traffic Control Radar Repairman AN/CPN-4
AF-1715-0422
Air Traffic Control Radar Repairman (AN/FPN-16 and AN/CPN-18)
AF-1715-0676
Air Traffic Control Radar Repairman (AN/MPN-1)
AF-1715-0488
Air Traffic Control Radar Repairman (AN/TPN-12)
AF-1715-0737
Air Traffic Control Radar Technician
AF-1715-0397
AN/CPS-9 Radar Set Organizational/Intermediate (O/I) Maintenance
AF-1715-0613
AN/FPS-24 FD Radar Maintenance (Paper and Pencil)
AF-1715-0244
AN/FPS-26A Radar Field and Organizational (F & O) Maintenance
AF-1715-0213
AN/FPS-35 FD Radar Maintenance (Paper and Pencil)
AF-1715-0241
AN/FPS-77 Meteorological Radar Set, Field/Organizational (F/O)
AF-1715-0237
AN/FSS-7 Radar Maintenance (w/o AN/FSS Equipment) for FPS-26A Experienced Personnel
AF-1715-0233
AN/FSS-7 Radar Maintenance (w/o AN/FSS Equipment) for Personnel w/o FPS-26A Experience
AF-1715-0235
AN/MSQ-35 Radar Bomb Scoring Central F/O
AF-1715-0363
AN/TPS-44 Radar Organizational/Intermediate (O/I) Maintenance
AF-1715-0251
Automatic Tracking Radar Repairman
AF-1715-0368
Automatic Tracking Radar Specialist
AF-1715-0009
Automatic Tracking Radar Specialist (AN/MSQ-39)

AF-1715-0405
Automatic Tracking Radar Specialist (Auto Tracking Radar Equipment)
AF-1715-0009
Automatic Tracking Radar Specialist (Radar Systems)
AF-1715-0009
Automatic Tracking Radar Specialist (Rate and Track Subsystems) (SM-65)
AF-1715-0406
Automatic Tracking Radar Technician
AF-1715-0021
Automatic Tracking Radar Technician (Automatic Tracking Radar Equipment)
AF-1715-0021
Automatic Tracking Radar Technician (Radar Equipment)
AF-1715-0021
Avionic Inertial and Radar Navigation Systems Specialist
AF-1715-0027
Avionic Inertial and Radar Navigation Systems Technician (AN/APN-81-89A/99A Doppler)
AF-1715-0024
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Radar and Interconnect)
AF-1715-0212
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Series Radar Interconnects)
AF-1715-0212
Bomb Navigation Systems Technician (MA-6A, 7A Radar and ICE)
AF-1715-0212
Bomb Navigation Systems Technician (MA-6A, MA-7A Radar and Interconnect)
AF-1715-0212
BUIC III Air Surveillance for Radar Inputs Countermeasures Officer/Technician
AF-1715-0113
Command Oriented Radar Prediction
AF-2203-0002
Decibel Radar Target Prediction and Simulation
AF-1715-0280
F-111A Radar and Controls Test Stations Technician
AF-1715-0250
F-111 Radar and Control Test Stations Technician
AF-1715-0261
Fire Control Systems Mechanic, MG-10 Radar
AF-1715-0258
GCA Radar Officer
AF-1717-0008
Ground Radar Systems Supervisor/Technician
AF-1715-0367
Intelligence Photo-Radar Officer
AF-1606-0061
AF-1709-0017
AF-1709-0021
K-Series Radar and Interconnection Equipment Technician
AF-1715-0212
MA-2/ASB-4 Bomb Navigation Systems (Radar and Computer Technician)
AF-1715-0286
Navigator Radar Intercept
AF-1606-0045
Radar Equipment Air Maintenance Upgrading
AF-1715-0365
Radar Intercept Officer Training
AF-1606-0045
Radar Intercept Officer Training (MG-12/13)
AF-1606-0045
Radar Siting, Calibration and Evaluation
AF-1715-0281
Special Course on Radar Set AN/ALT-7 and Pulse Generator O-207/ALA-7 (Depot)
AF-1715-0420
Special Training on Airborne Radar Beacon AN/APN-69 (Depot)
AF-1715-0421
Special Training on Airborne Radar Beacon AN/APN-69 (Field and Organizational)
AF-1715-0421
Special Training On Radar Bombing Navigation System, AN/APQ-24A
AF-1715-0617
Special Training on Radar Set AN/TPS-1D
AF-1715-0407
Weapons Control Systems Mechanic (MG-13 Radar)
AF-1715-0444
Weapons Control Systems Mechanic (MG-3, MG-10, MG-13 Radar)
AF-1715-0445
Weapons Control Systems Mechanic (MG-3, MG-10 Radar)
AF-1715-0445
Weapons Control Systems Technician (MG-13 Radar)
AF-1715-0374
Weapons Control System Technician (MG-3, MG-10 Radar)
AF-1715-0557

Radio

Airborne Radio Maintenance Technician
AF-1715-0067
Airborne Radio Operator
AF-2203-0033
Airborne Radio Repairman
AF-1715-0341
Aircraft Radio Maintenance Technician
AF-1715-0067
Aircraft Radio Repairman
AF-1715-0065
AF-1715-0069
Aircraft Radio Repairman (Command)
AF-1715-0066
AF-1715-0068
Aircraft Radio Repairman (Communications)
AF-1715-0065
Aircraft Radio Repairman (Data Link Supplement)
AF-1715-0185
Aircraft Radio Repairman (General)
AF-1715-0065
Aircraft Radio Repairman (Navigational)
AF-1715-0069
AN/TRC-97A Radio Set, Field/Organizational (F/O) Maintenance (407L)
AF-1715-0357
AN/TRC-97A Radio Set, Organizational/Intermediate (O/I) Maintenance (407L)
AF-1715-0357
Ballistic Missile Radio Guidance Mechanic (SM-65D)
AF-1715-0317
Ballistic Missile Radio Guidance Mechanic (SM-68A)
AF-1715-0302
Collins 18S-4 Radio Set
AF-1715-0077
Ground Radio Communications Equipment Repairman
AF-1715-0534
Ground Radio Communications Equipment Repairman (AN/FLR-9(V))
AF-1715-0346
Ground Radio Communications Equipment Repairman (AN/FRT-49, AN/GKA-5)
AF-1715-0738
Ground Radio Communications Equipment Repairman (Long Haul Communications G/A and P/P)
AF-1715-0240
Ground Radio Communications Equipment Repairman (SLFCS)
AF-1715-0049
Ground Radio Communications Equipment Repairman (Titan II)
AF-1715-0491
Ground Radio Communications Equipment Repairman, WS-133A
AF-1715-0245
Ground Radio Communications Equipment Repairman, WS-133A/A-M
AF-1715-0245
Ground Radio Communications Equipment Repairman (WS-133A/B)
AF-1715-0358
AF-1715-0495
Ground Radio Communications Equipment Repairman WS-133B
AF-1715-0248
Ground Radio Communications Equipment Technician
AF-1715-0088
Ground Radio Communications Equipment Technician (AN/GRC-137)
AF-1715-0238
Ground Radio Communications Technician (KWT-6 SSB)
AF-1715-0243
Ground Radio Equipment Repairman (AN/FRT-49, AN/GKA-5)
AF-1715-0738
Ground Radio Maintenance Technician
AF-1715-0284
Ground Radio Maintenance Technician Fixed Stations, Communications Systems
AF-1715-0222
Ground Radio Maintenance Technician, Navigational Aids, Communications Systems
AF-1715-0285
Ground Radio Officer
AF-1715-0548
Ground Radio Operator
AF-2203-0034
Ground Radio Operator (Voice)
AF-2203-0034
Ground Radio Repairman
AF-1715-0705
Ground Radio Systems Supervisor/Technician
AF-1715-0577
HC-130 Radio Operator Advanced Flying
AF-1606-0024
HC-130 Radio Operator (Aircrew Training

AF-1606-0024
Medium Bombardment Conventional, B-29 Four-Engine Transition (Radio Operator)
AF-1606-0043
Radio and Television Production Specialist
DD-0505-0001
Radio Inertial Ground Guidance Familiarization (SM-65D)
AF-1715-0608
Radio Intercept Operator
AF-1404-0002
Radio Operator (HC-130) ARRS
AF-1606-0024
Radio Operator (Voice)
AF-1715-0046
Radio Relay Equipment Maintenance Technician
AF-1715-0496
Radio Relay Equipment Repairman
AF-1715-0489
Radio Relay Equipment Repairman AN/FCC-21, AN/MCC-13, AN/FCC-32, MC-50, MW-503, and AN/FRC-39A(V)
AF-1715-0659
Radio Relay Equipment Repairman (AN/MRC-85; AN/FRC-39A(V); AN/MCC-13)
AF-1715-0659
Radio Relay Equipment Repairman (AN/TRC)
AF-1715-0122
Radio Relay Equipment Repairman (Carrier)
AF-1715-0120
Radio Relay Equipment Repairman (Carrier and Antrac Equipment)
AF-1715-0120
Radio Relay Equipment Repairman (EAME)
AF-1715-0494
Radio Relay Equipment Repairman (FPTS)
AF-1715-0079
Radio Relay Equipment Repairman (FPTS)(AN/FRC-39 and AN/FRC-39A)
AF-1715-0079
Radio Relay Equipment Repairman MC-50, AN/MCC-13, AN/FCC-32(V) (TMS-2), MW-503A, AN/FRC-39A(V), AN/MRC-85
AF-1715-0659
Radio Relay Equipment Repairman (Microwave)
AF-1715-0085
Radio Relay Equipment Repairman (Microwave and Associated Relay Center Equipment)
AF-1715-0085
Radio Relay Equipment Repairman (Relay Center Equipment)
AF-1715-0107
Radio Relay Equipment Repairman (Wideband)
AF-1715-0080
Radio Relay Equipment Technician
AF-1715-0496
Radio Relay Repairman (Microwave)
AF-1715-0085
Radio Traffic Analysis Aide
AF-2203-0006
Special Radio Maintenance Technician AN/MRN-7 and AN/MRN-8 Instrument Landing System
AF-1715-0084
Special Radio Maintenance Technician, AN/TRC-24 Radio Set
AF-1715-0081
Special Radio Maintenance Technician HF Liaison Equipment AN/ARC-21
AF-1715-0078
Special Radio Maintenance Technician, Radio Receiving Set, AN/ARN-31
AF-1715-0082
Special Training, AN/ARC-58 Single Sideband HF Radio Set
AF-1715-0083
Universal Radio Group Equipment
AF-1715-0192

Radiograph
Radiograph Interpreter
AF-1720-0001

Radiology
Apprentice Radiology Specialist
AF-0705-0002
Radiology Specialist
AF-0705-0002
Radiology Technician
AF-0705-0001

Ramjet
Ramjet Engine Mechanic, RJ-43, IM-99B
AF-1704-0077

Ranges
Flight Facilities Equipment Repairman (Ranges and Beacons)
AF-1715-0253

RAPPI
Special Training, AN/FST-2 and RAPPI
AF-1715-0416
Special Training, AN/FST-2B and RAPPI (Field and Organizational) (F & O)
AF-1715-0416

Rate and Track
Automatic Tracking Radar Specialist (Rate and Track Subsystems) (SM-65)
AF-1715-0406

Rawinsonde
AN/GMD-2 (Rawinsonde) Field and Organization Maintenance
AF-1721-0004
Rawinsonde Operation
AF-1304-0005
Rawinsonde Procedures
AF-1304-0004

RB-57/66
Basic Observer Reconnaissance Training RB-57/66
AF-1606-0086

RCC-EDLCC/SACCS
Electronic Digital Data Processing Repairman (RCC-EDLCC/SACCS)
AF-1715-0443

Reader
High Speed Paper Tape Reader and Punch/DSSCS
AF-1715-0394

Real Estate
Real Estate and Cost Management Analysis Specialist
AF-0331-0001
Real Estate—Cost-Management Analysis Specialist
AF-0331-0001

Receiver
AN/ALR-31 Receiver Field/Organizational (F/O) Maintenance
AF-1715-0607
Special Training on Loran Receiver AN/APN-70
AF-1715-0426

Receivers
Ground Communications Equipment Repairman (Heavy) Receivers
AF-1715-0499

Receiving
Special Radio Maintenance Technician, Radio Receiving Set, AN/ARN-31
AF-1715-0082

Reciprocating
Aircraft Maintenance Specialist, Reciprocating Engine Aircraft
AF-1704-0043
Aircraft Maintenance Technician, Reciprocating Engine Aircraft
AF-1704-0088
Aircraft Mechanic, Reciprocating Engine Aircraft
AF-1704-0043
Aircraft Mechanic, Reciprocating Engine Types
AF-1704-0043
Aircraft Mechanic, Reciprocating (One and/or Two Engines)
AF-1704-0042
Aircraft Mechanic, Reciprocating, Over Two Engines
AF-1704-0021
Aircraft Reciprocating Engine Conditioning
AF-1704-0071
Aircraft Reciprocating Engine Mechanic
AF-1704-0022
Flight Engineer Specialist, Reciprocating Engine Aircraft
AF-1606-0032
Reciprocating Engine Conditioning With Analyzers (R2800 and Smaller)
AF-1704-0071
Reciprocating Engine Conditioning With Analyzers (R3350)
AF-1704-0071
Reciprocating Engine Conditioning With Analyzers (R4360)
AF-1704-0071
Reciprocating Engine Mechanic
AF-1704-0022
Reciprocating Engine Mechanic (Engine Analyzer)
AF-1704-0034
Reciprocating Engine Technician
AF-1704-0049
USAF Instrument Pilot Instructor Training (Reciprocating)
AF-1406-0019
USAF Instrument Pilot Instructor Training (Reciprocating Engine)
AF-1406-0019

Reconnaissance
Advanced Navigator Reconnaissance Bombardment
AF-1606-0106
Advanced Observer Reconnaissance Bombardment
AF-1606-0106
Advanced Observer, Strategic Reconnaissance and Bombardment Training
AF-1606-0076
Advanced Observer, Tactical Reconnaissance and Bombardment Training
AF-1606-0075

Aircraft ECM Repairman (Reconnaissance Equipment) AF-1715-0223
Basic Observer Reconnaissance BORB-36/47/52 AF-1606-0079
Basic Observer Reconnaissance Training RB-57/66 AF-1606-0086
Electronic Warfare Officer Training (Reconnaissance) AF-2203-0003
Navigator Reconnaissance Upgrading Training (RF-4C) AF-1606-0090
Reconnaissance Sensor Systems AF-1715-0559
Reconnaissance Staff Officer AF-1606-0057

Recorder
Depot Overhaul of the AN/ASH-4 Light and Time Recorder and AN/UVM-1 Test Set AF-1715-0503

Recording
Field and Organizational (F & O) Maintenance of the AN/ASH-4 Light and Time Recording Set AF-1715-0504

Records
Medical Records Management AF-0709-0020
Supply Records Specialist AF-1405-0009
Supply Records Supervisor AF-1405-0021

Recruiter
Air Force Reserve Recruiter AF-1406-0007
Air National Guard Recruiter AF-1406-0038
Recruiter AF-1406-0003, AF-1406-0006
USAF Recruiter AF-1406-0006

Recruiting
USAF Recruiting Officer AF-1406-0037

Redistribution
Redistribution and Marketing AF-1405-0030
Redistribution and Marketing Officer AF-1405-0030
Redistribution and Marketing Specialist AF-1405-0031

Re-Entry
Nuclear Weapons Specialist (Minuteman III Re-Entry System) AF-2203-0012
Nuclear Weapons Specialist (Re-Entry Vehicle) (HGM-16F) AF-1715-0640
Nuclear Weapons Specialist (Re-Entry Vehicle) (LGM-30C, MK 11) AF-1715-0568, AF-1715-0603
Nuclear Weapons Specialist (Re-Entry Vehicle, LGM-30, Mk 11) AF-1715-0568
Nuclear Weapons Specialist) (Re-Entry Vehicle) (SM-65E) AF-1715-0640
Nuclear Weapons Specialist (Re-Entry Vehicle) (SM-65F) AF-1715-0640
Nuclear Weapons Specialist (Re-Entry Vehicle) (SM-68B) AF-1715-0640
Nuclear Weapons Specialist (Re-Entry Vehicle SM-80—Mk 5) AF-1715-0590

Refrigeration
Refrigeration and Air Conditioning AF-1730-0004
Refrigeration and Air Conditioning Control (Minn-Honeywell) AF-1730-0006
Refrigeration and Air Conditioning Controls (Johnson) AF-1730-0005
Refrigeration and Air Conditioning Equipment AF-1730-0009
Refrigeration and Air Conditioning Specialist AF-1730-0010
Refrigeration Specialist AF-1730-0010
Refrigeration Specialist (Refrigeration and Air Conditioning) AF-1730-0010
Refrigeration Specialist, SM-80 AF-1730-0011
Refrigeration Specialist/Supervisor (SM-68) AF-1730-0003
Refrigeration Specialist, WS-133A AF-1730-0011
Refrigeration Specialist, WS-133B AF-1730-0012
Refrigeration Supervisor/Technician (SM-65F) AF-1730-0007
Refrigeration Technician, SM-80 AF-1730-0008

Refueler
AF/S32R-2 Refueler Field and Organizational (F & O) Maintenance AF-1703-0001
A/S32R-2 Refueler (Model 2116) Intermediate/Organizational (I/O) Maintenance AF-1710-0020

Refueling
Inflight Refueling Specialist AF-1704-0044, AF-1704-0142
Inflight Refueling Systems Repairman AF-1704-0044
KC-135 In-Flight Refueling Specialist AF-1704-0121
Special Vehicle Repairman (Refueling Vehicle) AF-1703-0009

Regulation
407L Air Traffic Regulation Center Controller/Technician AF-1704-0001

Relay
Communications and Relay Center Equipment Repairman, Electromechanical AF-1715-0132
Communications and Relay Center Equipment Repairman, Electro-Mechanical Cryptographic AF-1715-0159
Communications and Relay Center Equipment Repairman, Electro-Mechanical (Other) AF-1715-0159
Communications and Relay Center Equipment Repairman Electro-Mechanical (TSEC/KW-9) AF-1715-0123
Communications and Relay Center Equipment Repairman TSEC/KW-9 AF-1715-0123
Ground Communications Equipment (Relay Center) AF-1715-0552
Radio Relay Equipment Maintenance Technician AF-1715-0496
Radio Relay Equipment Repairman AF-1715-0489
Radio Relay Equipment Repairman AN/FCC-21, AN/MCC-13, AN/FCC-32, MC-50, MW-503, and AN/FRC-39A(V) AF-1715-0659
Radio Relay Equipment Repairman (AN/MRC-85; AN/FRC-39A(V); AN/MCC-13) AF-1715-0659
Radio Relay Equipment Repairman (AN/TRC) AF-1715-0122
Radio Relay Equipment Repairman (Carrier) AF-1715-0120
Radio Relay Equipment Repairman (Carrier and Antrac Equipment) AF-1715-0120
Radio Relay Equipment Repairman (EAME) AF-1715-0494
Radio Relay Equipment Repairman (FPTS) AF-1715-0079
Radio Relay Equipment Repairman (FPTS)(AN/FRC-39 and AN/FRC-39A) AF-1715-0079
Radio Relay Equipment Repairman MC-50, AN/MCC-13, AN/FCC-32(V) (TMS-2), MW-503A, AN/FRC-39A(V), AN/MRC-85 AF-1715-0659
Radio Relay Equipment Repairman (Microwave) AF-1715-0085
Radio Relay Equipment Repairman (Microwave and Associated Relay Center Equipment) AF-1715-0085
Radio Relay Equipment Repairman (Relay Center Equipment) AF-1715-0107
Radio Relay Equipment Repairman (Wideband) AF-1715-0080
Radio Relay Equipment Technician AF-1715-0496
Radio Relay Repairman (Microwave) AF-1715-0085

Reliability
High Reliability Soldering and Connections AF-1715-0728
Reliability AF-1115-0002
Reliability/Maintainability AF-1115-0003

Repeater
Carrier Repeater Mechanic

AF-1715-0120

Reproduction
Reproduction Equipment Repair
DD-1706-0002

Rescue
Air Rescue Specialist Medical
AF-0709-0013
O-6 and R-2 Crash Rescue Trucks, Field and Organizational Maintenance
AF-1728-0024
Rescue and Survival Technician—Medical
AF-0709-0002

Rescueman
Firefighter Rescueman
AF-1728-0035

Research
Laboratory Management of Research and Development
AF-1408-0058
Research and Development Procurement Officer
AF-1405-0036
AF-1405-0043

Reserve
Air Force Reserve Recruiter
AF-1406-0007
Information Officer (Reserve Component)
DD-0504-0011
Reserve Components National Security Seminar
DD-1511-0006
Reserve Special Investigations and Counterintelligence Training (Reserve Refresher)
AF-1728-0005
Reserve Special Investigator
AF-1728-0006
Transportation of Dangerous Materials (Reserve)
AF-0419-0013

Resource
Medical Resource Management
AF-1401-0011

RF-4C
Aircraft Inertial and Radar Navigation Systems Repairman (RF-4C Supplement)
AF-1715-0022
Navigator Reconnaissance Upgrading Training (RF-4C)
AF-1606-0090

RHAW
AN/APS-107, AN/APR-31 (ER-142) RHAW System
AF-1715-0236

RIGS
Guidance and Control Officer (RIGS) (HGM-25A)
AF-1715-0672
Guidance and Control Officer (RIGS) (SM-68A)
AF-1715-0672
Guidance Control Officer (RIGS) (SM-68)
AF-1715-0672

RJ-43
Ramjet Engine Mechanic, RJ-43, IM-99B
AF-1704-0077

Rocket
Rocket Propulsion Technician (Interim)
AF-1704-0163

Romanian
Romanian
DD-0602-0001
DD-0602-0002
DD-0602-0003
DD-0602-0004
DD-0602-0006

Rotary
Aircraft Mechanic, Rotary Wing
AF-1704-0079
Helicopter Mechanic, Rotary Wing
AF-1704-0079

Rotating
Field and Organizational (F & O) Maintenance AN/GMQ-10A Transmissometer, AN/GMQ-13 Rotating Beam Ceilometer
AF-1715-0141

Rubber
Fabric and Rubber Products Specialist
AF-1716-0001
Fabric, Leather and Rubber Products Repairman
AF-1716-0001
Maintenance of Survival and Aircrew Protective Equipment (Fabric, Leather, and Rubber)
AF-1716-0003

Rumanian
Rumanian
AF-0602-0006
AF-0602-0010

Rundi
Rundi
AF-0602-0001

Run-Up
J79-15 Engine Systems and Engine Run-Up
AF-1704-0052

Russian
Basic Russian—Refresher
DD-0602-0011
Russian
AF-0602-0007
AF-0602-0011
DD-0602-0001
DD-0602-0002
DD-0602-0003
DD-0602-0005
DD-0602-0006
DD-0602-0007
DD-0602-0009
Russian Refresher
DD-0602-0008
Russian Stenotype
DD-0602-0003
Scientific Russian
DD-0602-0008

SAC
Pilot Advanced Flying (TH-1F) SAC
AF-1606-0139
Weapons Mechanic (SAC)
AF-2203-0015

Safety
Air Launched Defense Missile Safety Officer
AF-0802-0012
Air Launched Missile Safety Officer
AF-0802-0009
Air Launched Missile Safety Officer/Technician
AF-0802-0010
Air Launched Missile Safety Technician
AF-0802-0011
Air Launched Strategic Missile Safety Officer
AF-0802-0013
Air Launched Tactical Missile Safety Officer
AF-0802-0014
Ballistic Missile Safety
AF-0802-0008
Explosives Safety Officer
AF-0802-0024
Explosives Safety Officer/Specialist
AF-0802-0024
Explosives Safety Training
AF-0802-0024
General Safety Specialist
AF-0802-0016
Ground Safety Specialist
AF-0802-0016
Missile Safety Technician
AF-0802-0007
Safety Supervisor
AF-0802-0019

SAGE
Aircraft Control and Warning Operator (SAGE)
AF-1715-0209
Air Defense Artillery Director (SAGE)
AF-1715-0288
Air Surveillance (SAGE)
AF-1715-0273
AF-1715-0571
AN/FSQ-7 (SAGE) Maintenance
AF-1715-0106
Assistant Air Defense Artillery Director (SAGE)
AF-1715-0289
Computer Systems Programming Officer, SAGE
AF-1402-0032
Data Processing (SAGE)
AF-1402-0006
AF-1402-0016
Electric Digital Computer Repairman (SAGE AN/FSQ-7)
AF-1715-0058
Electronic Computer Repairman (SAGE AN/FSQ-7)
AF-1715-0058
Identification/Air Tactics (SAGE)
AF-2203-0008
AF-2203-0028
Intercept Direction (SAGE)
AF-2203-0027
AF-2203-0029
Power Production, Operation and Maintenance (SAGE)
AF-1715-0431
SAGE Computer Programmer
AF-1402-0030
SAGE Maintenance Control Officer
AF-1715-0582
SAGE Maintenance Control Technician
AF-1402-0063
SAGE System Maintenance Management Officer
AF-1715-0582
Tracking/Identification (SAGE)
AF-1715-0200
AF-1715-0581
Tracking (SAGE)
AF-1715-0618
AF-1715-0619
Weapons Controller (SAGE)
AF-2203-0043
Weapons Direction (SAGE)
AF-1715-0572
AF-2203-0010

Sanitary
Military Aspects of Sanitary and Industrial Hygiene Engineering
AF-0707-0001

Scanner
Medium Bombardment Conventional, B-29 Four-Engine Transition (Scanner Gunner)
AF-1606-0042

Scientific Russian
Scientific Russian
DD-0602-0008

Scope
Scope Control System Field/Organizational (F/O) Maintenance
AF-1715-0126
Scope Control System Organizational/Intermediate (O/I) Maintenance
AF-1715-0126

Screening
Flight Screening Program, T-41
AF-1606-0137

SEA
Intelligence Area Studies (SEA)
AF-1601-0042

Sealing
Aircraft Structural Sealing, B-52
AF-1704-0038
B-52G Fuel System Repairman and Wet Wing Sealing
AF-1704-0174
KC-135 Fuel System Repairman and Wet Wing Sealing
AF-1704-0175

SEBIT-24
Intermediate and Organizational Maintenance, TSEC/HY-2, SEBIT-24 Modem, Crypto Control Unit, and Digital Subset
AF-1715-0074

Security
Combat Security Police
AF-1728-0017
Defense Security Assistance Management Core
DD-1408-0001
Defense Security Assistance Management Overseas
DD-0327-0001
Industrial Security Specialist
DD-1728-0001
Information Security Management
DD-1728-0002
National Security Management (Correspondence Course of the Industrial College of the Armed Forces)
DD-1511-0001
Reserve Components National Security Seminar
DD-1511-0006
Security Police Administration
AF-1728-0016
Security Police Combat Preparedness
AF-1728-0003
Security Policeman
AF-1728-0019
Security Police Officer
AF-1728-0018
Security Police Officer Combat Preparedness
AF-1728-0012
Security Police Staff Officer
AF-1728-0007
Security Police Supervisor
AF-1728-0028
Security Specialist
AF-1728-0008
USAF Security Service Systems Maintenance Technician
AF-1715-0070

Seminar
Air Command and Staff Nonresident Seminar Program
AF-1511-0002
Air War College Nonresident Seminar Program
AF-1511-0004

Senior
National Senior Intelligence
DD-1606-0001
Senior Hospital Administration
AF-0799-0002
Senior NCO Academy
AF-2203-0009
USAF Senior Noncommissioned Officer Academy
AF-2203-0009

Sensitometric
Sensitometric and Densitometric Control Techniques
AF-1709-0007
Sensitometric and Densitometric Equipment Operator
AF-1709-0008

Sensor
Aircraft Sensor Systems Repairman (Electronic Sensors)
AF-1715-0479
Avionic Sensor Systems Specialist (Electronic Sensors)
AF-1715-0475
Avionic Sensor Systems Specialist (Electro-Optical Sensors)
AF-1715-0478
Defense Sensor Interpretation and Applications Training (DSIAT) (Airman)
AF-1606-0051
Reconnaissance Sensor Systems
AF-1715-0559

Sentry
Sentry Dog Handler
AF-1728-0002
Sentry Dog Handler (Air Policeman)
AF-1728-0002
Sentry Dog Handler Supervisor
AF-1728-0021
Sentry Dog Replacement
AF-2203-0031

Sequence
Checkout Sequence Programming Set, AN/GSM-133 (AGM-69A)
AF-1402-0067

Serbo-Croatian
Serbo-Croatian
AF-0602-0007
AF-0602-0011
DD-0602-0001
DD-0602-0002
DD-0602-0003
DD-0602-0006

Services
Special Services Officer
AF-1408-0064

Shaw-Estes
Calibration and Maintenance of the Shaw-Estes Test Stand
AF-1715-0090

Shipboard
Shipboard Information, Training and Entertainment (SITE) System Operators (Television Afloat)
DD-0504-0010

Shop
Propulsion Shop Management
AF-1717-0001

SHORAN
Airborne Electronic Navigation Equipment Repairman (SHORAN)
AF-1715-0521
Airborne SHORAN Equipment Repairman
AF-1715-0521
Aircraft Electronic Navigation Equipment Repairman (SHORAN)
AF-1715-0521
Automatic Tracking Radar Specialist (SHORAN)
AF-1715-0513
Ground SHORAN Equipment Repairman
AF-1715-0513
Special Training on SHORAN Equipment AN/APN-84 and Electronic Bombing Computer K-4
AF-1715-0403
Special Training on SHORAN Equipment AN/APN-84, with K-4, AN/APN-3, with K-1A and AN/APA-54(A)
AF-1715-0403

Short
Defense Language Institute Short Basic Courses
DD-0602-0004

Sideband
Single Sideband System Maintenance
AF-1715-0039
Special Training, AN/ARC-58 Single Sideband HF Radio Set
AF-1715-0083

Sighting
Sighting System Technician
AF-1715-0012

Simplex
Simplex Remote Communications Central/Subscriber C Equipment Repairman (SACCS)
AF-1715-0395

Simulator
Flight Simulator Fundamentals
AF-1715-0706
Flight Simulator Specialist
AF-1715-0706
Flight Simulator Technician
AF-1715-0573

Single
Single Sideband System Maintenance
AF-1715-0039

Single-Engine
Basic Pilot Training, Single-Engine (Jet)
AF-1606-0124
Pilot Instructor Training-Basic Single-Engine (Jet)
AF-1406-0008

Sinhala
Sinhala
AF-0602-0007

SITE
Shipboard Information, Training and Entertainment (SITE) System Operators (Television Afloat)

DD-0504-0010
Site Development Specialist AF-1601-0041

Siting
Radar Siting, Calibration and Evaluation AF-1715-0281

SLFCS
Ground Radio Communications Equipment Repairman (SLFCS) AF-1715-0049

Slovenian
Slovenian DD-0602-0002

SM-62
Flight Control System Analyst, SM-62 AF-1715-0298
Guidance System Analyst, SM-62 AF-1715-0381
Missile Maintenance Technician, SM-62 AF-1704-0160
Missile Systems Analyst/Technician SM-62 AF-1715-0335

SM-65
Automatic Tracking Radar Specialist (Rate and Track Subsystems) (SM-65) AF-1715-0406
Control Systems Mechanic (SM-65, 68) AF-1715-0506
Guidance Control Officer (SM-65) AF-1715-0645
Guidance Systems Mechanic (SM-65, 68) AF-1715-0508
Liquid Fuel Systems Maintenance Specialist, SM-65 and SM-68 AF-1601-0045
Liquid Fuel System Specialist/Technician (SM-65) AF-1601-0019
Missile Engine Mechanic/Technician (SM-65) AF-1704-0105
Missile Test Equipment Specialist (SM65, 68) AF-1715-0334

SM65D
Ballistic Missile Analyst Specialist (SM65D) AF-1715-0294
Ballistic Missile Checkout Equipment Specialist (SM65D) AF-1715-0316
Ballistic Missile Radio Guidance Mechanic (SM-65D) AF-1715-0317
Electronic Digital Data Processing Equipment Repairman (Ballistic Missile Guidance Computer) (SM-65D) AF-1715-0701
Liquid Fuel Systems Maintenance Specialist (SM-65D) AF-1601-0031
Missile Electrical Specialist (SM-65D) AF-1715-0430
Missile Engine Mechanic (SM-65D) AF-1704-0134 AF-1704-0140
Missile Facilities Specialist (SM-65D) AF-1715-0434
Missile Facilities Specialist (SM-65D & E) AF-1715-0433
Missile Launch/Missile Officer (SM-65D) AF-1715-0715
Missile Mechanic (SM-65D) AF-1704-0139
Missile Pneudraulic Repairman (SM-65D) AF-1704-0112
Radio Inertial Ground Guidance Familiarization (SM-65D) AF-1715-0608

SM-65D/E
Liquid Fuel Systems Maintenance Specialist (SM-65D/E) AF-1601-0034

SM-65E
Ballistic Missile Analyst Specialist (SM-65E) AF-1715-0300
Ballistic Missile Checkout Equipment Specialist (SM-65E and F) AF-1715-0161
Ballistic Missile Inertial Guidance Mechanic (SM-65E and F) AF-1715-0171
Ballistic Missile Launch Equipment Repairman (SM65E & F) AF-1715-0435
Liquid Fuel Systems Maintenance Specialist (SM-65E) AF-1601-0034
Missile Engine Mechanic (SM-65E/F) AF-1704-0133
Missile Launch/Missile Officer (SM-65E) AF-1715-0651
Missile Mechanic (SM-65E/F) AF-1704-0157
Nuclear Weapons Specialist) (Re-Entry Vehicle) (SM-65E) AF-1715-0640

SM-65F
Ballistic Missile Analyst Specialist (SM-65F) AF-1715-0295
Ballistic Missile Analyst Technician (SM-65F) AF-1715-0319
Ballistic Missile Inertial Guidance Technician/Mechanic (SM-65F) AF-1715-0313
Control System Technician/Mechanic (SM-65F) AF-1715-0094
Electrical Power Production Technician/Specialist, SM-65F AF-1715-0432
Electrician/Supervisor (SM-65F) AF-1715-0312
Guidance System Technician/Mechanic (SM-65F) AF-1715-0313
Liquid Fuel Systems Maintenance Specialist (SM-65F) AF-1601-0028
Liquid Fuel Systems Maintenance Specialist/Technician (SM-65F) AF-1601-0002
Missile and Facility Pneudraulic Technician (SM-65F) AF-1704-0146
Missile Engine Mechanic/Technician (SM-65F) AF-1704-0105
Missile Facilities Specialist (SM-65F) AF-1715-0437
Missile Facilities Specialist/Technician (SM-65F) AF-1715-0673
Missile Ground Support Equipment Repair Technician/Repairman (SM-65F) AF-1704-0159
Missile Launch/Missile Officer (SM-65F) AF-1715-0636
Missile Pnuedraulic Repairman (SM-65F) AF-1704-0110
Missile Systems Analyst Technician (SM-65F) AF-1715-0315
Missile Test Equipment Technician/Specialist (Launch Control Systems) (SM-65F) AF-1715-0654
Missile Test Equipment Technician/Specialist (Programmed Checkout Equipment) (SM-65F) AF-1715-0661
Nuclear Weapons Specialist (Re-Entry Vehicle) (SM-65F) AF-1715-0640
Plumber/Plumbing Supervisor (SM-65F) AF-1710-0003
Refrigeration Supervisor/Technician (SM-65F) AF-1730-0007

SM-68
Control System Mechanic/Technician, SM-68 AF-1715-0135
Dial Central Office Equipment Mechanic/Technician (SM-68) AF-1715-0101
Electrical Power Production Repairman/Technician (SM-68) AF-1712-0003
Electrician/Supervisor (SM-68) AF-1715-0307
Guidance Control Officer (Computer)(SM-68) AF-1715-0037
Guidance Control Officer (RIGS) (SM-68) AF-1715-0672
Guidance System Technician (SM68) AF-1704-0126
Guided Missile Operations/Maintenance Officer (SM-68) AF-1714-0011
Liquid Fuel Systems Maintenance Specialist, SM-65 and SM-68 AF-1601-0045
Missile Electrical Repairman/Technician, SM68 AF-1715-0380
Missile Engine Mechanic/Technician, SM-68 AF-1704-0141
Missile Hydraulic Repairman/Technician (SM-68) AF-1704-0177
Missile Maintenance Mechanic/Technician (SM-68) AF-1715-0697
Missile Systems Analyst Technician (SM68) AF-1715-0332
Missile Test Equipment Technician (Propulsion and Propellants) (SM68) AF-1715-0337
Refrigeration Specialist/Supervisor (SM-68) AF-1730-0003

SM-68A
Ballistic Missile Analyst Specialist (SM-68A) AF-1715-0662

Ballistic Missile Checkout Equipment Specialist (SM-68A) AF-1715-0173
Ballistic Missile Launch Equipment Repairman (SM-68A) AF-1715-0178
Ballistic Missile Radio Guidance Mechanic (SM-68A) AF-1715-0302
Guidance and Control Officer (RIGS) (SM-68A) AF-1715-0672
Liquid Fuel Systems Maintenance Specialist (SM-68A) AF-1601-0032
Liquid Fuel System Specialist/Technician, SM-68A AF-1601-0003
Missile Electrical Specialist (SM-68A) AF-1714-0006
Missile Engine Mechanic (SM-68A) AF-1704-0136
Missile Facilities Specialist (SM-68A) AF-1715-0436
Missile Launch/Missile Officer (SM-68A) AF-1715-0670
Missile Mechanic (SM-68A) AF-1704-0155
Missile Pneudraulic Repairman (SM-68A) AF-1704-0113

SM-68B
Ballistic Missile Checkout Equipment Specialist (SM-68B) AF-1715-0160
Ballistic Missile Checkout Equipment Specialist/Technician, SM-68B AF-1715-0304
Ballistic Missile Inertial Guidance Mechanic (SM-68B) (LGM-25C) AF-1715-0297
Ballistic Missile Inertial Guidance Mechanic/Technician (SM-68B) AF-1715-0154
Ballistic Missile Launch Equipment Repairman (SM-68B) AF-1715-0179
Ballistic Missile Launch Equipment Repairman/Technician, SM-68B AF-1715-0303
Dial Central Office Equipment Specialist, SM-68B AF-1715-0682
Electrical Power Production Specialist/Technician, SM-68B AF-1715-0306
Electrician/Electrical Technician, SM-68B AF-1715-0301
Equipment Cooling Specialist/Technician, SM-68B AF-1730-0001
Fuel Specialist (Nonconventional) (SM-68B) AF-1601-0047
Fuel Specialist (SM-68B) AF-1601-0005
Fuel Specialist (Unconventional Fuels) (SM-68B) AF-1601-0047
Launch Enable System Specialist, SM-68B AF-1715-0003
Liquid Fuel System Maintenance Specialist/Technician SM-68B AF-1601-0007
Liquid Fuel Systems Maintenance Specialist (SM-68B) AF-1601-0033
Liquid Fuel Systems Maintenance Specialist (SM-68B) (Titan II) AF-1601-0033
Missile Electrical Specialist (SM-68B) AF-1715-0136
Missile Electrical Specialist/Technician, SM-68B AF-1715-0134
Missile Engine Mechanic (SM-68B) AF-1715-0175
Missile Engine Mechanic/Technician, SM-68B AF-1704-0138
Missile Facilities Specialist (SM-68B) AF-1714-0007
Missile Facilities Specialist/Technician SM-68B AF-1715-0652
Missile Launch/Missile Officer, SM-68B AF-1715-0665
Missile Mechanic/Maintenance Technician, SM-68B AF-1704-0151
Missile Mechanic (SM-68B) AF-1715-0724
Missile Pneudraulic Repairman (SM-68B) AF-1704-0173
Nuclear Weapons Specialist (Re-Entry Vehicle) (SM-68B) AF-1715-0640
Plumber/Plumbing Supervisor (SM-68B) AF-1710-0001

SM-80
Ballistic Missile Analyst Specialist, SM-80 AF-1715-0344
Ballistic Missile Check-Out Equipment Specialist, SM-80 AF-1715-0299
Ballistic Missile Checkout Equipment Technician, SM-80 AF-1715-0296
Ballistic Missile Launch Equipment Repairman, SM-80 AF-1715-0459
Ballistic Missile Launch Equipment Technician, SM-80 AF-1715-0305
Electrician, SM-80 AF-1715-0589
Missile Facilities Specialist, SM-80 AF-1731-0001
Missile Facilities Technician, SM-80 AF-1704-0152
Missile Launch Officer, SM-80 AF-2203-0042
Missile Mechanic, SM-80 AF-1715-0729
Missile Officer, SM-80 AF-1717-0015
Missile Technician, SM-80 AF-1710-0018
Nuclear Weapons Specialist (Re-Entry Vehicle SM-80—Mk 5) AF-1715-0590
Refrigeration Specialist, SM-80 AF-1730-0011
Refrigeration Technician, SM-80 AF-1730-0008

Small
Small Arms Gunsmith Specialist AF-2203-0026
Small Arms Specialist AF-2203-0001

Soldering
High Reliability Soldering and Connections AF-1715-0728
High Value Soldering and Microelectronic Repair Techniques AF-1715-0388

Solid State
Solid State Devices and Digital Techniques AF-1715-0042 AF-1715-0043 AF-1715-0044
Solid State Devices, Field and Organizational (F & O) Maintenance AF-1715-0191

Sound
Sound and Picture Editing Specialist AF-1709-0011

Space
BMEWS Space Surveillance Console Operator AF-1715-0156
Space Communications Systems Equipment Operator/Specialist AF-1715-0480
Space Object Identification Analyst AF-1304-0011
Space Object Identification Analyst/Technician AF-1715-0218
Space Systems Analyst AF-1303-0001
Space Systems Operations Officer AF-2203-0019

Spacetrack
Spacetrack Surveillance Officer AF-2203-0021
Spacetrack Surveillance Operator/Technician AF-1715-0219
Spacetrack Surveillance Technician AF-1715-0219

Spanish
Spanish AF-0602-0001 AF-0602-0004 AF-0602-0006 DD-0602-0001 DD-0602-0002 DD-0602-0003 DD-0602-0004 DD-0602-0006 DD-0602-0009

Special
Defense Language Institute Special Courses DD-0602-0008
Special Investigations and Counterintelligence Officer AF-1728-0020
Special Investigations and Counterintelligence Specialist AF-1728-0020
Special Investigators AF-1728-0020
Special Operations Training, AC-130E Pilots AF-1606-0020
Special Services Officer AF-1408-0064
Special Vehicle Mechanic AF-1710-0017
Special Vehicle Repairman

AF-1710-0019

Sperry
Engine Analyzer, Sperry Maintenance AF-1715-0505
Jet Engine Conditioning and Vibration Analyzer (Sperry) AF-1704-0032
Jet Engine Vibration Analyzer Maintenance (Sperry) AF-1715-0093
Jet Engine Vibration Analyzer Operator (Sperry) AF-1704-0020

Splicer
Cable Splicer AF-1714-0016

Splicing
Cable Splicing Specialist AF-1714-0016
Cable Splicing Specialist (General) AF-1714-0016 AF-1714-0017
Cable Splicing Specialist (Hardened Missile Systems) AF-1714-0018
Cable Splicing Specialist/Supervisor (General) AF-1714-0017
Missile System Cable Splicing Specialist AF-1714-0018

Squadron
Squadron Officer Course AF-2203-0041
Squadron Officer School AF-2203-0041
Squadron Operations Center and Data Handling Equipment Repairman AF-1715-0339

SRCC/SUB C
SRCC/SUB C Equipment Repairman (SACCS) AF-1715-0395

SSB
Ground Communications Repairman (Heavy)(SSB) AF-1715-0240
Ground Radio Communications Technician (KWT-6 SSB) AF-1715-0243

Stabilization
Bomb Navigation System Technician (K, MA-6A, MA-7A Series Stabilization and Optics) AF-1715-0563
K-Series Stabilization and Optics Technician AF-1715-0611

Staff
Air Command and Staff College AF-1511-0001
Air Command and Staff Correspondence Program AF-1511-0003
Air Command and Staff Nonresident Seminar Program AF-1511-0002
Armed Forces Staff College DD-0326-0001
Command and Staff College AF-1511-0001
Command and Staff Course AF-1511-0001
Command and Staff School AF-1511-0001
Staff Aircraft Performance Engineer AF-1104-0001
Staff Aircraft Performance Officer AF-1107-0001
Staff Judge Advocate AF-1728-0031
Staff Meteorologist AF-1304-0006
Supply Management Staff Officer AF-1405-0052
Supply Staff Officer AF-1405-0052

Standards
Electrical Standards Console AF-1714-0013
Electrical Standards Console and Low Frequency Voltage and Phase Standards AF-1714-0013

Statistical
Statistical Services Officer AF-1402-0001 AF-1402-0045
Statistical Services Supervisor AF-1408-0015
Statistical Specialist AF-1115-0006

Statistics
Data Systems and Statistics Officer AF-1402-0001

Status
Status Authentication Subsystem Maintenance, WS-133B AF-1715-0576

Stenographic
Stenographic Specialist AF-1407-0002

Still
Combat Still Photographer, Operator AF-1709-0002
Still Photographer AF-1709-0010
Still Photographic Camera Specialist AF-1709-0020
Still Photographic Laboratory Specialist AF-1709-0018
Still Photographic Officer AF-1709-0026
Still Photojournalism AF-1709-0004

Stock
Stock Control Technician AF-1405-0005

Store
Store and Forward Communications System Computer Programmer AF-1402-0018 AF-1402-0057

Strategic
Advanced Observer Strategic Bombardment AF-1606-0092
Advanced Observer, Strategic Reconnaissance and Bombardment Training AF-1606-0076
Air Launched Strategic Missile Safety Officer AF-0802-0013

STRAWHAT
STRAWHAT Maintenance AF-1715-0053
STRAWHAT Message Processing Maintenance AF-1715-0051
STRAWHAT Terminal Maintenance AF-1715-0391

Stripping
Lithographic Stripping and Platemaking DD-1719-0001

Structural
Aircraft Structural Sealing, B-52 AF-1704-0038
Structural Repair of High Performance Aircraft AF-1704-0091

Subscriber
Digital Subscriber Terminal Maintenance AF-1715-0119

Supply
Accounting and Finance Applications of Base Supply Computer (UNIVAC 1050 II) AF-1401-0016
Advanced Supply Officer AF-1405-0052
AFK Supply Management AF-1405-0004
Base Supply Management AF-1405-0001
Base Supply Trainer AF-1405-0042
Chief of Supply Management AF-1405-0040
Fuel Supply Officer AF-1405-0034
Fuel Supply Specialist, IM-99 AF-1405-0024
Medical Supply Officer AF-1405-0006
Organizational Supply Specialist AF-1405-0010
Organizational Supply Supervisor AF-1405-0053
Special Organizational Supply AF-1405-0057
Supply Computer System Specialist AF-1402-0005
Supply Inspection Technician AF-1405-0054
Supply Inspector AF-1405-0041
Supply Management Staff Officer AF-1405-0052
Supply Officer AF-1405-0008 AF-1405-0052
Supply Operation Analysis/Design AF-1402-0059
Supply Operations Officer AF-1405-0008
Supply Records Specialist AF-1405-0009
Supply Records Supervisor AF-1405-0021
Supply Services Officer AF-1405-0046
Supply Services Supervisor AF-0332-0001
Supply Staff Officer AF-1405-0052
Supply Systems Management AF-1405-0044
Supply Systems Specialist AF-1402-0005
Supply Systems Supervisor AF-1402-0059

Support
Aircraft and Missile Ground Support Equipment Repair

AF-1717-0012
Defense Language Institute Support Command Courses
DD-0602-0010

Surface
Surface Transportation Officer
AF-0419-0005

Surgical
Ophthalmology Surgical Technician
AF-0706-0001

Surveillance
Aircraft ECM Repairman (Surveillance Equipment)
AF-1715-0223
Aircraft Electronic Countermeasures Repairman (Surveillance Equipment)
AF-1715-0223
Air Surveillance (SAGE)
AF-1715-0273
AF-1715-0571
BMEWS Space Surveillance Console Operator
AF-1715-0156
BMEWS Surveillance Officer
AF-2203-0011
AF-2203-0020
BUIC III Air Surveillance for Radar Inputs Countermeasures Officer/Technician
AF-1715-0113
Spacetrack Surveillance Officer
AF-2203-0021
Spacetrack Surveillance Operator/Technician
AF-1715-0219
Spacetrack Surveillance Technician
AF-1715-0219
Surveillance of Performance Measurement Systems
AF-1408-0026

Survey
Optical Survey Instrument Repair
DD-1721-0001

Surveying
Advanced Geodetic Surveying
DD-1601-0003
Construction Surveying
DD-1601-0008
Geodetic Surveying
DD-1601-0002

Survival
Advanced Survival Training
AF-0803-0003
Arctic Survival Training
AF-0802-0022
Maintenance of Survival and Aircrew Protective Equipment (Fabric and Leather)
AF-1716-0003
Maintenance of Survival and Aircrew Protective Equipment (Fabric, Leather, and Rubber)
AF-1716-0003
Personal and Survival Equipment Training (Enlisted)
AF-1704-0183
Personal Equipment and Survival Training
AF-0802-0020
Personal Equipment and Survival Training (Enlisted)
AF-1704-0183
Rescue and Survival Technician—Medical
AF-0709-0002
Survival Instructor Training
AF-0802-0018
Survival Training
AF-0803-0003
Survival Training and Equipment Officer
AF-0802-0020
Survival Training and Personal Equipment Officer
AF-0799-0006
Survival Training and Personal Equipment Specialist
AF-1704-0182
Survival Training and Protective Equipment Officer
AF-0802-0020
Survival Training (SEA)
AF-0803-0003
USAF Combat Survival Training
AF-0803-0003

Swahili
Swahili
AF-0602-0006
AF-0602-0008
DD-0602-0002

Swedish
Swedish
AF-0602-0004
AF-0602-0006
DD-0602-0001
DD-0602-0002

Switch
AN/TTC-30 Electronic Switch Intermediate/Organizational (I/O) Maintenance
AF-1715-0165

Switching
Automatic Digital Switching Technician
AF-1402-0020
Automatic Teletype and Electronic Switching Systems Repairman
AF-1715-0102
Electronics Switching Systems Repairman (490L Overseas AUTOVON)
AF-1715-0500
Electronic Switching Center, AN/TTC-19
AF-1715-0356
Electronic Switching Systems Repairman (490L Overseas AUTOVON)
AF-1715-0396
Telephone Switching Equipment Repairman, Electromechanical
AF-1715-0038
Telephone Switching Equipment Repairman, Electromechanical (Other)
AF-1715-0195
Telephone Switching Equipment Specialist (Combat Operations Support)
AF-1715-0713
Telephone Switching Equipment Technician (Step by Step and X-4 Equipment)
AF-1715-0038

System
System Program Management
AF-1408-0060

Systems
Advanced Systems Buying
AF-1408-0025
Automated Systems Analyst (Management Support Systems)
AF-1402-0064
Computer Systems Analyst
AF-1402-0003
Phase II Systems Management
AF-1408-0027
Systems Procurement Officer
AF-1405-0016
AF-1405-0017
AF-1405-0037
TEMPEST for Systems Design Engineer
AF-1715-0128

Systems Analyst
Missile Systems Analyst Specialist (TM-76A)
AF-1704-0108

T-28
Pilot Instructor Training, Basic Multi-Engine (T-28)
AF-1606-0144
Pilot Instructor Training (T-28)
AF-1406-0015
Undergraduate Pilot Training Helicopter (T-28)
AF-1606-0005

T-28A/T-28B
Undergraduate Pilot Training (T-28A/T-28B)
AF-1606-0004

T-29
Advanced Pilot Training Multi-Engine T-29
AF-1606-0012
Instrument Pilot Instructor Training (T-29)
AF-1406-0019

T-33
Advanced Fighter Training (T-33/F-86) (MAP/ANG)
AF-1606-0116
AFS Fighter, Jet (T-33)—Phase I
AF-1606-0089
Combat Crew Training Fighter (T-33/F-84)
AF-1606-0070
Instrument Pilot Instructor Training (T-33)
AF-1406-0020
Jet Qualification Training (T-33)
AF-1606-0102
Medical Officer Flight Familiarization Training (T-33)
AF-1606-0127
Pilot Instructor Training (T-33)
AF-1406-0008
Undergraduate Pilot Training (T-41/T-37/ T-33)
AF-1606-0022
USAF Advanced Flying School, Fighter (T-33)—Phase I
AF-1606-0089
USAF Advanced Flying School, Interceptor (T-33/F-86L)
AF-1606-0108
USAF Combat Flying School, Interceptor (T-33/F-89D)—Pilot
AF-1606-0071
USAF Combat Flying School, Interceptor (T-33/F-89D)—Radar Observer
AF-1606-0072
USAF Combat Flying School, Interceptor (T-33/F-94C)—Pilot
AF-1606-0073
USAF Combat Flying School, Interceptor (T-33/F-94C)—Radar Observer
AF-1606-0074

T-33A
Aircraft Mechanic, T-33A

AF-1704-0056

T-34/T-28
Pilot Instructor Training, Primary (T-34/T-28)
AF-1512-0001

T-35
Operator and Operation Maintenance of AC System Tester, Model T-35
AF-1715-0095

T-37
Medical Officer Flight Familiarization Training (T-37)
AF-1606-0127
Pilot Instructor Training (T-37)
AF-1406-0021
Undergraduate Pilot Training (T-37/T-33)
AF-1606-0022

T-38
Instrument Pilot Instructor Training (T-38)
AF-1606-0011
Instrument Pilot Instructor Training (T-38/T-39)
AF-1606-0011
Pilot Instructor Training (T-38)
AF-1406-0010
AF-1606-0101

T-38/T-39
Instrument Pilot Instructor Training (T-38/T-39)
AF-1606-0011

T-39
Instrument Pilot Instructor Training (T-39)
AF-1606-0011

T-41
Flight Screening Program, T-41
AF-1606-0137
Pilot Instructor Training (T-41)
AF-1406-0011
Undergraduate Pilot Training (T-41, Interim)
AF-1606-0003
Undergraduate Pilot Training (T-41/T-37/ T-33)
AF-1606-0022
Undergraduate Pilot Training (T-41/T-37/T-38)
AF-1606-0022

T53-11A
Jet Engine Mechanic, T53-11A
AF-1704-0026

T56-A-1A
Field and Organizational Maintenance, T56-A-1A Engine
AF-1704-0066

T-58
Jet Engine Mechanic, T-58
AF-1704-0130

T64-7
Jet Engine Technician, T64-7
AF-1704-0069

TAC
Missile Guidance and Control Specialist (AGM/AIM)TAC
AF-1715-0712
Missile Guidance and Control Technician (AGM/AIM TAC SEA)
AF-1715-0691
Weapons Mechanic (TAC)
AF-1715-0681

TACAN
Aircraft Electronic Navigation Equipment Repairman (TACAN Supplement)
AF-1715-0602
Flight Facilities Equipment Repairman (TACAN)
AF-1715-0217

TAC/ANG-RES
Weapons Mechanic—TAC/ANG-RES
AF-1715-0130

Tactical
Air Launched Tactical Missile Safety Officer
AF-0802-0014
Tactical Missile Checkout Equipment Repairman (CGM-13B(TEMS))
AF-1715-0641
Tactical Missile Checkout Equipment Repairman (MACE MGM-13C/TEMS)
AF-1715-0641
Tactical Missile Checkout Equipment Repairman (MGM-13B(TEMS))
AF-1715-0646
Tactical Missile Checkout Equipment Repairman (TM/76A/TEMS)
AF-1715-0646
Tactical Missile Checkout Equipment Repairman (TM-76B, TEMS)
AF-1715-0641
Tactical Missile Launch Specialist (CGM-13B)
AF-1715-0657
Tactical Missile Launch Specialist (Mace, MGM-13C)
AF-1715-0657
Tactical Missile Launch Specialist (TM-76B)
AF-1715-0657

Tactics
Advanced Unit Tactics (Phase IV)
AF-1728-0017
Identification/Air Tactics (SAGE)
AF-2203-0008
AF-2203-0028
Small Unit Tactics (Phase III)
AF-1728-0017

Tamil
Tamil
AF-0602-0007

Tank
Petroleum Tank Cleaning Supervisor
AF-0802-0015

Tanker
Tanker Aircrew, KC-97
AF-1606-0015

Target
Decibel Radar Target Prediction and Simulation
AF-1715-0280

TB-50
Advanced Pilot Multi-Engine TB-50 Training
AF-1606-0013

TDDL
Ground Communications Equipment Technician (Light)(TDDL Equipment)
AF-1715-0561
Ground Communications Equipment Technician (TDDL)
AF-1715-0561

Teaching
Multi-Media Teaching System (Development)
AF-1406-0028

TEAT
Missile Systems Analyst Technician (TEAT) WS-133A-M
AF-1715-0384
Missile Systems Analyst Technician (TEAT), WS-133B
AF-1715-0333

Technical
Technical Instructor
AF-1406-0023
AF-1406-0030
Technical Writer
AF-0504-0001

Tektronix
Electronic Test Equipment Calibration and Repair (Tektronix)
AF-1715-0096

Telautograph
Telautograph Transcriber Equipment Repairman
AF-1715-0073
Transistorized Telautograph Intermediate and Organizational (I & O) Maintenance
AF-1715-0194

Telecommunications
Telecommunications Systems Control Specialist/Attendant
AF-1715-0047

Telephone
Key Telephone System Maintenance
AF-1715-0045
Telephone Circuit Analysis
AF-1715-0197
Telephone Equipment Installer-Repairman
AF-1715-0048
Telephone Installer-Repairman
AF-1715-0196
Telephone Switching Equipment Repairman, Electromechanical
AF-1715-0038
Telephone Switching Equipment Repairman, Electromechanical (Other)
AF-1715-0195
Telephone Switching Equipment Specialist (Combat Operations Support)
AF-1715-0713
Telephone Switching Equipment Technician (Step by Step and X-4 Equipment)
AF-1715-0038

Teletype
Automatic Teletype and Electronic Switching Systems Repairman
AF-1715-0102
Electronic Communications and Cryptographic Systems Equipment Repairman (Automatic Teletype)
AF-1715-0102
Teletype Adapter Module/Common Control Unit Maintenance
AF-1715-0393

Teletypewriter
AN/TGC-14(V) Teletypewriter I & O Maintenance
AF-1715-0075

Televised
Bomb Navigation System Mechanic (MA-6A, MA-7A Systems) Televised
AF-1715-0256

Television
Radio and Television Production Specialist
DD-0505-0001

Shipboard Information, Training and Entertainment (SITE) System Operators (Television Afloat)
DD-0504-0010
Television Production Specialist
AF-0505-0001

TEMPEST
TEMPEST for Systems Design Engineer
AF-1715-0128

TEMS
Missile Electronic Equipment Specialist (CGM-13B, TEMS)
AF-1715-0641
Tactical Missile Checkout Equipment Repairman (CGM-13B(TEMS))
AF-1715-0641
Tactical Missile Checkout Equipment Repairman (MGM-13B(TEMS))
AF-1715-0646
Tactical Missile Checkout Equipment Repairman (TM-76B, TEMS)
AF-1715-0641

Terminal
STRAWHAT Terminal Maintenance
AF-1715-0391
Terminal Instrument Procedures
AF-1704-0164

Terrain
Terrain Analysis
DD-1601-0004

Test
Aircraft Engine Test Stand Calibration
AF-1704-0057
Calibration and Maintenance of the Shaw-Estes Test Stand
AF-1715-0090
Control Room Instrumentation, Jet Engine Test Facility
AF-1715-0097
Depot Overhaul of the AN/ASH-4 Light and Time Recorder and AN/UVM-1 Test Set
AF-1715-0503
Experimental Test Pilot
AF-1606-0093
F-111A Computer/Navigation Test Station Technician
AF-1402-0024
F-111A Radar and Controls Test Stations Technician
AF-1715-0250
F-111 CADC Test Station Technician
AF-1715-0054
F-111 Communications Guidance Test Stations Technician
AF-1715-0098
F-111 Flight Controls Test Station Technician
AF-1715-0004
F-111 Indicator and Controls Test Stations Technician
AF-1715-0183
F-111 Indicators and Modules Test Station Technician
AF-1715-0718
F-111 Penetration Aids Test Stations Technician
AF-1715-0124
F-111 Radar and Control Test Stations Technician
AF-1715-0261
FB-111 Central Air Data Computer (CADC) Test Station Technician
AF-1715-0092
F/FB-111 Mission and Traffic Control Test Station Technician
AF-1715-0373
F/FB-111 Navigation Aids Test Station Technician
AF-1715-0007
F/FB111 Penetration Aids Test Stations Technician
AF-1715-0207
AF-1715-0679
F-III Computer/Programmer Test Stations Technician
AF-1715-0203
M37-T1 Test Stand, Maintenance and Calibration
AF-1704-0176
Operation and Maintenance of MD-1 Astro Compass Test Equipment
AF-1715-0089

Test Equipment
Electronic Test Equipment Calibration and Repair (Tektronix)
AF-1715-0096
Missile Test Equipment Specialist (SM65, 68)
AF-1715-0334
Missile Test Equipment Specialist (TM-76A)
AF-1715-0646
Missile Test Equipment Technician (Control), IM-99B
AF-1715-0338
Missile Test Equipment Technician, GAM-77
AF-1715-0336
Missile Test Equipment Technician (Guidance), IM-99B
AF-1715-0310
Missile Test Equipment Technician (Propulsion and Propellants) (SM68)
AF-1715-0337
Missile Test Equipment Technician/Specialist (Launch Control Systems) (SM-65F)
AF-1715-0654
Missile Test Equipment Technician/Specialist (Programmed Checkout Equipment) (SM-65F)
AF-1715-0661
Unit Test Equipment (AN/ASQ-38)
AF-1715-0257
Unit Test Equipment (AN/ASQ-48)
AF-1715-0275
Vehicle Diagnostic Test Equipment
AF-1703-0017

Tester
Operator and Operation Maintenance of AC System Tester, Model T-35
AF-1715-0095

Testing
Non-Destructive Testing
AF-1724-0002
Non-Destructive Testing of Aircraft and Related Equipment Components
AF-1724-0002

TF-33
TF-33 Turbofan Engine Maintenance
AF-1704-0073

TF-39
Jet Engine Mechanic, TF-39
AF-1704-0081

TH-1
Helicopter Pilot Transition Training (TH-1)
AF-1606-0091

TH-1F
Pilot Advanced Flying (TH-1F) Basic
AF-1606-0138
Pilot Advanced Flying (TH-1F) SAC
AF-1606-0139

Thai
Thai
AF-0602-0007
AF-0602-0011
DD-0602-0002
DD-0602-0003
DD-0602-0004

Therapy
Diet Therapy Specialist
AF-0709-0001
Diet Therapy Supervisor
AF-1729-0009
Physical Therapy (Advanced)
AF-0704-0003
Physical Therapy Specialist
AF-0704-0002
Physical Therapy Technician
AF-0704-0001

Titan I
Missile Launch/Missile Officer (Titan I, HTM-25B)
AF-1715-0670

Titan II
Ground Radio Communications Equipment Repairman (Titan II)
AF-1715-0491
Liquid Fuel Systems Maintenance Specialist (SM-68B) (Titan II)
AF-1601-0033
Missile Launch/Missile Officer (Titan II/LGM-25)
AF-1715-0674
Titan II Communications Equipment (Field and Organizational)
AF-1715-0516

Titanium
Airframe Titanium Repair
AF-1704-0024

TM-61
Guidance System Mechanic (TM-61)
AF-1715-0601

TM-61A
Missile Mechanic (TM-61A/C)
AF-1715-0642

TM-61C
Control Systems Mechanic (TM-61C)
AF-1715-0292
Guidance Systems Mechanic (TM-61C)
AF-1715-0463
Guidance Systems Officer (Surface-to-Surface) (TM-61C)
AF-1715-0648
Missile Specialist (TM-61C)
AF-1715-0642

TM-76
Missile Mechanic (TM-76)
AF-1704-0150
Missile Specialist (TM-76)
AF-1704-0150

TM-76A
Controls System Analyst (TM-76A)
AF-1715-0180
Guidance Systems Analyst (TM-76A)
AF-1714-0005
Guided Missile Maintenance Officer (TM-76A)
AF-1715-0647
Guided Missile Operations Officer (TM-76A)

AF-1715-0133
  Missile Launch Officer (TM-76A) AF-1715-0660
  Missile Mechanic Tactical (TM-76A) AF-1715-0727
  Missile Mechanic (Tactical) (TM-76A/B) AF-1704-0150
  Missile Mechanic (TM-76A) AF-1704-0150
  Missile Mechanic (TM-76A/B) AF-1704-0150
  Missile Officer (TM-76A) AF-1715-0647
  Missile Systems Analyst Specialist (TM-76A) AF-1704-0108, AF-1715-0666
  Missile Test Equipment Specialist (TM-76A) AF-1715-0646
  Tactical Missile Checkout Equipment Repairman (TM-76A/TEMS) AF-1715-0646
  Tactical Missile Guidance Mechanic (TM-76A) AF-1715-0484
  Tactical Missile Launch Specialist (TM-76A) AF-1715-0666, AF-1715-0667

TM-76A/B
  Control Systems Mechanic (TM-76A/B) AF-1715-0162
  Missile Mechanic (Tactical) (TM-76A/B) AF-1704-0150
  Missile Mechanic (TM-76A/B) AF-1704-0150
  Tactical Missile Control Mechanic (TM-76A/B) AF-1715-0162

TM-76B
  Guidance System Mechanic (TM-76B) AF-1715-0481
  Guided Missile Operations Officer (TM-76B) AF-1715-0658
  Missile Launch Officer (TM-76B) AF-1715-0658
  Missile Maintenance Officer (TM-76B) AF-1715-0638
  Missile Mechanic Tactical (TM-76B) AF-1715-0726
  Missile Officer (TM-76B) AF-1715-0638
  Missile Systems Analyst Specialist (TM-76B) AF-1715-0668
  Tactical Missile Checkout Equipment Repairman (TM-76B, TEMS) AF-1715-0641
  Tactical Missile Guidance Mechanic and Checkout Equipment Repairman (TM-76B, GEMS) AF-1715-0481
  Tactical Missile Guidance Mechanic (TM-76B/GEMS) AF-1715-0477
  Tactical Missile Guidance Mechanic (TM-76B, GSC) AF-1715-0481
  Tactical Missile Launch Specialist (TM-76B) AF-1715-0657

Topographic
  Basic Topographic Officers DD-1601-0012

Topography
  Topography and Printing Staff Noncommissioned Officer (NCO) DD-1601-0010

Tower
  Control Tower Operator AF-1704-0007
  Control Tower Technician AF-1704-0007

Towing
  MB-2 Towing Tractor, Field and Organizational Maintenance AF-1712-0001
  Special Vehicle Repairman (Towing and Servicing Vehicle) AF-1703-0005

Tow Reel
  Tow Reel Specialist AF-1715-0694

Tracking
  Automatic Tracking Radar Repairman AF-1715-0368
  Automatic Tracking Radar Specialist AF-1715-0009
  Automatic Tracking Radar Specialist (AN/MSQ-39) AF-1715-0405
  Automatic Tracking Radar Specialist (Auto Tracking Radar Equipment) AF-1715-0009
  Automatic Tracking Radar Specialist (Radar Systems) AF-1715-0009
  Automatic Tracking Radar Specialist (Rate and Track Subsystems) (SM-65) AF-1715-0406
  Automatic Tracking Radar Technician AF-1715-0021
  Automatic Tracking Radar Technician (Automatic Tracking Radar Equipment) AF-1715-0021
  Automatic Tracking Radar Technician (Radar Equipment) AF-1715-0021
  Tracking/Identification (SAGE) AF-1715-0200, AF-1715-0581
  Tracking (SAGE) AF-1715-0618, AF-1715-0619

Tractor
  MB-2 Towing Tractor, Field and Organizational Maintenance AF-1712-0001

Traffic
  F/FB-111 Mission and Traffic Control Test Station Technician AF-1715-0373
  Freight Traffic Specialist AF-0419-0006, AF-0419-0009
  Integrated Avionics Component Specialists (Communication/Mission and Traffic Control and Penetration Aids) AF-1715-0609
  Passenger Traffic Specialist AF-0419-0025
  Radio Traffic Analysis Aide AF-2203-0006
  Traffic Management and Accident Investigation AF-1728-0004

Trainer
  Base Supply Trainer AF-1405-0042
  Defensive Systems Trainer Specialist, AN/GPQ-T6 AF-1715-0138
  Defensive System Trainer Specialist (AN/ALQ-T4(V)) AF-1715-0086
  Defensive System Trainer Technician (AN/ALQ-T4(V)) AF-1715-0232
  Electronic Instrument Trainer Specialist (P & Z) AF-1715-0655
  Electronic Instrument Trainer Specialist (Z & P Types) AF-1715-0655
  Gunnery Trainer Specialist AF-1715-0216
  Gunnery Trainer Specialist (AN/APG-T1, T1A) AF-1715-0216
  Gunnery Trainer Specialist (APG-T1, T1A) AF-1715-0216
  Instrument Trainer Specialist AF-1715-0531
  Instrument Trainer Specialist (P) AF-1715-0655
  Instrument Trainer Specialist (P & Z) AF-1715-0655
  Navigation and Bombing Trainer Specialist (AN/APQ-T3) AF-1715-0274
  Navigation/Bombing/Tactics Trainer Specialist AF-1715-0455
  Navigation/Bombing Trainer and Flight Simulator Tactics Specialist AF-1715-0455

Training
  Military Training Instructor AF-1512-0002

Transcriber
  Telautograph Transcriber Equipment Repairman AF-1715-0073

Transistorized
  Transistorized Telautograph Intermediate and Organizational (I & O) Maintenance AF-1715-0194

Transmission
  General Purpose Automatic Transmission Maintenance AF-1703-0012

Transmissometer
  Field and Organizational (F & O) Maintenance AN/GMQ-10A Transmissometer, AN/GMQ-13 Rotating Beam Ceilometer AF-1715-0141

Transmitters
  Ground Communications Equipment Repairman (Heavy) Transmitters AF-1715-0530

Transponder
  AN/APX-72 Transponder, Field/Organizational (F/O) Maintenance AF-1715-0409
  AN/APX-72 Transponder, Intermediate/Organizational (I/O) Maintenance AF-1715-0142
  Transponder Set AN/APX-25 AF-1715-0215

Transport
  Advanced Flying School Transport Pilot

(C-141)
AF-1606-0019
Advanced Upgrade—Transport Navigation
AF-1606-0017
Medium Transport (C-119) Aircrew Transition
AF-1606-0044
Medium Transport (C-119) Transition
AF-1606-0044

Transportation
Advanced Air Transportation Cargo
AF-0419-0014
Advanced Air Transportation Passenger
AF-0419-0003
Air Transportation of Dangerous Cargo and Nuclear Weapons
AF-0419-0017
Air Transportation Officer
AF-0419-0010
AF-0419-0011
Missile and Nuclear Weapons Transportation Safety
AF-0419-0017
Motor Transportation Supervisor
AF-0419-0020
Surface Transportation Officer
AF-0419-0005
Transportation of Dangerous Cargo
AF-0419-0018
Transportation of Dangerous Cargo, Nuclear Weapons and Missiles
AF-0419-0017
Transportation of Dangerous Materials (Reserve)
AF-0419-0013
Transportation Officer
AF-0419-0010
AF-0419-0012
Transportation Staff Officer
AF-0419-0012

Tropical
Tropical Weather Analysis and Forecasting
AF-1304-0010

Truck
O-11A and O-11B Crash Fire Truck Field Maintenance
AF-1728-0025

Trucks
O-10 and O-11A Crash Fire Trucks, Field Maintenance
AF-1728-0024
O-6 and R-2 Crash Rescue Trucks, Field and Organizational Maintenance
AF-1728-0024

TSEC/HY-2
Intermediate and Organizational Maintenance, TSEC/HY-2
AF-1715-0678
Intermediate and Organizational Maintenance, TSEC/HY-2, SEBIT-24 Modem, Crypto Control Unit, and Digital Subset
AF-1715-0074

TSEC/KL-7
Field and Organizational (F & O) Maintenance, TSEC/KL-7
AF-1715-0127

TSEC/KW-22
TSEC/KW-22 Cryptographic Equipment Maintenance
AF-1715-0255

TSEC/KW-26
Cryptographic Equipment Maintenance TSEC/KW-26
AF-1715-0439

TSEC/KW-7
Intermediate and Organizational Maintenance, TSEC/KW-7
AF-1715-0615

TSEC/KW-9
Communications and Relay Center Equipment Repairman Electro-Mechanical (TSEC/KW-9)
AF-1715-0123
Communications and Relay Center Equipment Repairman TSEC/KW-9
AF-1715-0123

Turbofan
B-52H Turbofan Engine Field and Organizational Maintenance.
AF-1704-0073
TF-33 Turbofan Engine Maintenance
AF-1704-0073

Turbo-Prop
Aircraft Maintenance Specialist Turbo-Prop Aircraft
AF-1704-0080
Aircraft Mechanic, Turbo-Prop Aircraft
AF-1704-0080
Aircraft Mechanic, Turbo-Prop Aircraft (C-130 and C-133)
AF-1704-0080

Turkish
Turkish
AF-0602-0007
AF-0602-0011
DD-0602-0001
DD-0602-0002
DD-0602-0003
DD-0602-0004
DD-0602-0009

Turret
Defensive Fire Control System Mechanic (B-52H, ASG-21 Turret)
AF-1715-0540
Flexible Gunnery Training Turret System Mechanic Gunner, B-36
AF-1606-0095
Turret System Mechanic (A-5, MD-1 and A, MD-4)
AF-1715-0013
Turret System Mechanic, B-36
AF-1715-0515
Turret System Mechanic (B-52, A-3A)
AF-1715-0482
Turret System Mechanic (MD-1, MD-4, A-5)
AF-1715-0013
Turret Systems Gunner (A-3A/MD-9 Turrets)
AF-1715-0205
Turret Systems Gunner (B-36)
AF-1606-0097
Turret Systems Gunner, B-52(A-3A)
AF-1715-0205
Turret Systems Gunner, B-66 (MD-1)
AF-1715-0206
Turret Systems Mechanic (A-3A, MD-9, ASG-15 Turrets)
AF-1715-0482
Turret Systems Mechanic (A3A/MD9 Turrets)
AF-1715-0482
Turret Systems Technician (A-3A, MD-9, ASG-15 Turrets)
AF-1715-0259

Turrets
Defensive Fire Control System Mechanic (A-3A, MD-9, ASG-15 Turrets)
AF-1715-0482
Defensive Fire Control Systems Mechanic (A-3A, MD-9, ASG-15 Turrets)
AF-1715-0482
Defensive Fire Control Systems Mechanic (B-52H, ASG-21 Turrets)
AF-1715-0540
Defensive Fire Control Systems Mechanic (B-52H, B-58: MD-7, ASG-21 Turrets)
AF-1715-0540
Defensive Fire Control Systems Mechanic (MD-7, AN/ASG-21 Turrets)
AF-1715-0540
Defensive Fire Control Systems Technician (A-3A, MD-9, ASG-15 Turrets)
AF-1715-0259
Turret Systems Mechanic (A-3A, MD-9, ASG-15 Turrets)
AF-1715-0482
Turret Systems Mechanic (A3A/MD9 Turrets)
AF-1715-0482
Turret Systems Technician (A-3A, MD-9, ASG-15 Turrets)
AF-1715-0259

Twi
Twi
AF-0602-0001

UH-1F
Helicopter Mechanic, UH-1F
AF-1704-0093

UH-1H
Helicopter Mechanic, UH-1H(VNAF I and M)
AF-1704-0029

UH-1N
Helicopter Mechanic (UH-1N)
AF-1704-0095
Jet Engine Mechanic (UH-1N)
AF-1704-0076
Pilot Advanced Flying (UH-1N) Basic
AF-1606-0140

Ukrainian
Ukrainian
DD-0602-0002

Unconventional
Fuel Specialist (Unconventional Fuels)
AF-1601-0008
AF-1710-0005
Fuel Specialist (Unconventional Fuels) (SM-68B)
AF-1601-0047

Undergraduate
Undergraduate Navigator Training
AF-1606-0145
Undergraduate Pilot Training Helicopter (H-19/H-43B or H-19/CH-3C)
AF-1606-0006
Undergraduate Pilot Training Helicopter (T-28)
AF-1606-0005
Undergraduate Pilot Training (T-28A/T-28B)
AF-1606-0004
Undergraduate Pilot Training (T-37/T-33)
AF-1606-0022
Undergraduate Pilot Training (T-41, Interim)
AF-1606-0003

Undergraduate Pilot Training (T-41/T-37/ T-33)
AF-1606-0022
Undergraduate Pilot Training (T-41/T-37/T-38)
AF-1606-0022

Unit
Unit Historian Development
AF-2203-0007
Unit Test Equipment (AN/ASQ-38)
AF-1715-0257
Unit Test Equipment (AN/ASQ-48)
AF-1715-0275

UNIVAC
Accounting and Finance Applications of Base Supply Computer (UNIVAC 1050 II)
AF-1401-0016
Operation and Maintenance of UNIVAC 1218 Computer
AF-1402-0029
AF-1402-0055

Universal
Universal Radio Group Equipment
AF-1715-0192

Upgrading
Upgrading, B-58 Aircraft
AF-1606-0133
Upgrading B-58 Aircraft (AN/ASQ-42 Weapons Control System)
AF-1606-0133
Upgrading B-66 Aircraft
AF-1606-0136

USAF
USAF Recruiting Officer
AF-1406-0037

USAFSS
USAFSS Systems Maintenance Technician
AF-1715-0070

Vehicle
A/S32P-2 Firefighting Vehicle Operator
AF-1728-0030
General Purpose Vehicle Repairman
AF-1703-0006
General Purpose Vehicle Repairman (Accelerated)
AF-1703-0007
Motor Vehicle Maintenance Management
AF-0419-0019
Motor Vehicle Maintenance Officer
AF-1405-0019
Motor Vehicle Management Officer
AF-1405-0019
Special Vehicle Mechanic
AF-1710-0017
Special Vehicle Repairman
AF-1710-0019
Special Vehicle Repairman (Crash/Fire Vehicles)
AF-1703-0016
Special Vehicle Repairman (Refueling Vehicle)
AF-1703-0009
Special Vehicle Repairman (Towing and Servicing Vehicle)
AF-1703-0005
Special Vehicle Repairmen (Materials Handling Vehicle)
AF-1703-0004
Vehicle Body Repair
AF-1703-0002
AF-1703-0011
Vehicle Diagnostic Test Equipment
AF-1703-0017
Vehicle Maintenance Technician
AF-1703-0010
Wheeled Vehicle Mechanic
AR-1703-0021

Veterinarian
Veterinarian
AF-0102-0004

Veterinary
Apprentice Veterinary Specialist
AF-0102-0003
Veterinary Officer Basic
AF-0102-0004
Veterinary Specialist
AF-0102-0003
Veterinary Specialist Phase II
AF-0102-0003
Veterinary Technician
AF-0104-0001

VHF-UHF
Ground Communications Equipment Repairman (VHF-UHF)
AF-1715-0498

Vibration
Jet Engine Block Test and Vibration Analyzer
AF-1704-0015
AF-1704-0030
Jet Engine Conditioning and Vibration Analyzer (Sperry)
AF-1704-0032
Jet Engine Vibration Analyzer Maintenance (Sperry)
AF-1715-0093
Jet Engine Vibration Analyzer Operator (Sperry)
AF-1704-0020

Vietnamese
Aural Comprehension Vietnamese—Hanoi Dialect
DD-0602-0010
Basic Vietnamese
DD-0602-0011
Basic Vietnamese—Saigon Dialect
DD-0602-0010
Short Basic Vietnamese—Saigon Dialect
DD-0602-0010
Vietnamese
AF-0602-0001
AF-0602-0005
AF-0602-0007
AF-0602-0011
DD-0602-0005
DD-0602-0006
Vietnamese—Hanoi Dialect
DD-0602-0002
DD-0602-0003
DD-0602-0009
Vietnamese—Saigon Dialect
DD-0602-0002
DD-0602-0004
DD-0602-0009

Visual
Audio-Visual Fundamentals
AF-1709-0012

Vocational
Medical Service Technician (Vocational Nurse)
AF-0703-0001

Voice
Ground Radio Operator (Voice)
AF-2203-0034
Radio Operator (Voice)
AF-1715-0046

Voltage
Electrical Standards Console and Low Frequency Voltage and Phase Standards
AF-1714-0013

Voltmeter
Digital Voltmeter, Theory and Calibration
AF-1715-0385

War
Air War College
AF-1511-0006
Air War College Correspondence Program
AF-1511-0005
Air War College Nonresident Seminar Program
AF-1511-0004
National War College
DD-1511-0002
War College
AF-1511-0006

Ward
Psychiatric Ward Specialist
AF-0708-0001

Warehousing
Warehousing Specialist
AF-1405-0012
Warehousing Supervisor
AF-1405-0050

Warning
Aerospace Control and Warning System Operator (Manual)
AF-1715-0623
Aerospace Control and Warning Systems Operator
AF-1715-0622
Aircraft Control and Warning (AC & W) Radar Officer
AF-1715-0369
Aircraft Control and Warning (AC & W) Radar Repairman (AN/GLR-1/FLR-12)
AF-1715-0234
Aircraft Control and Warning Operator (Semi-Automatic/412L)
AF-1704-0170
Aircraft Control and Warning Radar Maintenance Technician
AF-1715-0064
Aircraft Control and Warning Radar Technician
AF-1715-0064

Waste
Water and Waste Processing
AF-1732-0002
Water and Waste Processing Specialist
AF-1732-0001

Water
Missile Facility Water Treatment
AF-1732-0003
Water and Waste Processing
AF-1732-0002
Water and Waste Processing Specialist
AF-1732-0001

WCS
Intermediate Maintenance, A-7D Weapons Control System (WCS)
AF-1715-0278

Weapons
Air Force Weapons Accident Prevention and Management
AF-0802-0021
Air Transportation of Dangerous Cargo and Nuclear Weapons
AF-0419-0017

Air Weapons
AF-2203-0044
Atomic Weapons Officer
AF-1715-0545
Conventional Weapons Application
AF-2203-0046
Defense Weapons Systems Management
AF-1408-0011
F-111A Weapons System Training
AF-1606-0117
F-111A Weapons System Training (Aircraft Commander)
AF-1606-0132
F-111A Weapons System Training (Mark 1)
AF-1606-0117
F-111A Weapons System Training (NAV/PILOT)
AF-1606-0117
Fighter Weapons Instructor
AF-1406-0017
Interceptor Weapons Instructor School (F-89D)
AF-1406-0014
Interceptor Weapons Instructor School (F-94C)
AF-1406-0013
Missile and Nuclear Weapons Transportation Safety
AF-0419-0017
Nuclear Weapons Mechanical Specialist
AF-1715-0736
Nuclear Weapons Officer
AF-1715-0545
Nuclear Weapons Specialist
AF-1715-0501
AF-1715-0593
Nuclear Weapons Specialist AGM-69A
AF-1715-0700
Nuclear Weapons Specialist (CGM-13B, LCH Prep)
AF-2203-0047
Nuclear Weapons Specialist (Minuteman III Re-Entry System)
AF-2203-0012
Nuclear Weapons Specialist (Mk 11 R/V Family)
AF-2203-0018
Nuclear Weapons Specialist (Re-Entry Vehicle) (HGM-16F)
AF-1715-0640
Nuclear Weapons Specialist (Re-Entry Vehicle) (LGM-30C) (Mk 11)
AF-1715-0603
Nuclear Weapons Specialist (Re-Entry Vehicles)
AF-1715-0639
Nuclear Weapons Specialist) (Re-Entry Vehicle) (SM-65E)
AF-1715-0640
Nuclear Weapons Specialist (Re-Entry Vehicle) (SM-65F)
AF-1715-0640
Nuclear Weapons Specialist (Re-Entry Vehicle) (SM-68B)
AF-1715-0640
Nuclear Weapons Specialist (Re-Entry Vehicle SM-80—Mk 5)
AF-1715-0590
Nuclear Weapons Technician (AGM-69A)
AF-1715-0700
Special Weapons Maintenance Technician
AF-1715-0150
AF-1715-0151
AF-1715-0152
Transportation of Dangerous Cargo, Nuclear Weapons and Missiles
AF-0419-0017
Weapons Direction (SAGE)
AF-1715-0572
AF-2203-0010
Weapons Effects
AF-2203-0046
Weapons Fusing System Specialist
AF-1715-0129
Weapons Fusing Systems Specialist (Electronic)
AF-1715-0149
Weapons Fuzing System Specialist (Re-Entry Vehicles)
AF-1715-0639
Weapons Fuzing Systems Specialist (Electrical)
AF-1714-0004
Weapons Maintenance Technician (AGM-69A)
AF-1715-0735
Weapons Maintenance Technician FB-111
AF-1704-0179
Weapons Mechanic
AF-1714-0022
Weapons Mechanic (ADC)
AF-2203-0016
Weapons Mechanic ADC/ANG-RES
AF-1704-0171
Weapons Mechanic, Bomber
AF-1715-0594
Weapons Mechanic, Fighter Bomber
AF-1715-0597
Weapons Mechanic, Fighter Interceptor
AF-1715-0596
Weapons Mechanic (GAM-72)
AF-1715-0695
Weapons Mechanic (SAC)
AF-2203-0015
Weapons Mechanic (TAC)
AF-1715-0681
Weapons Mechanic—TAC/ANG-RES
AF-1715-0130

Weapons Control
Electronic Computer Systems Repairman (Weapons Control Computer Group, AN/FSA-21/412L)
AF-1715-0034
Integrated Avionics Component Specialist (Navigation/Flight and Weapons Control)
AF-1715-0476
Integrated Avionics Component Specialist (Navigation/Flight and Weapons Control, and Flight Data Recorder Systems)
AF-1715-0476
Integrated Avionics System Specialist (Navigation/Flight and Weapons Control)
AF-1715-0476
Intermediate Maintenance, A-7D Weapons Control System (WCS)
AF-1715-0278
Upgrading, B-52 Aircraft (AN/ASQ-38 Weapons Control System)
AF-1606-0115
Upgrading B-58 Aircraft (AN/ASQ-42 Weapons Control System)
AF-1606-0133
Weapons Control System Mechanic (F/FB-111)
AF-1715-0486
Weapons Control Systems Mechanic
AF-1715-0010
Weapons Control Systems Mechanic (A-7D; AN/APQ-126)
AF-1715-0538
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AF-1704-0144
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AF-1703-0013

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AF-1715-0080

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AF-1717-0007
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CG—Coast Guard
DD—Department of Defense
MC—Marine Corps
NV—Navy

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570-71R20 DD-0505-0001
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570-F2 DD-0504-0003
570-F3 DD-0505-0003
570 (USMC) DD-0505-0001

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571XD AF-1728-0036

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670-601 DD-1721-0001

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690-620 DD-1706-0002
690-621 DD-1706-0001

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740-302 DD-1719-0001
740-303 DD-1719-0002
740-304 DD-1719-0004
740-306 DD-1601-0013
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DD-1719-0003
740-83F20 DD-1719-0002

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753101-N AF-1406-0039

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7G-46A DD-0504-0009

7G-5505 DD-0504-0009
7G-5522 DD-0505-0002
7G-5522 (USA) DD-0505-0002

7G-F3 (RC) DD-0504-0011

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923X0-3 AF-0803-0002
923X0-5 AF-1606-0130
AF-1728-0036
923X0-6 AF-1728-0036

96170 AF-1728-0001

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REQUEST FOR COURSE RECOMMENDATION

The applicant for credit must fill out one form for *each* service school course completed. The institutional official is responsible for verifying from official military records that the student completed the entire course, and for submitting the form to the Office on Educational Credit, American Council on Education, One Dupont Circle, Washington, DC 20036, ATTN: Military Evaluations. *Please Print.*

1. *Exact* course title (*do not abbreviate*) ______________________________

2. Service branch offering the course:
   - ☐ Air Force
   - ☐ Army
   - ☐ Coast Guard
   - ☐ Department of Defense
   - ☐ Marine Corps
   - ☐ Navy

3. Name of service school attended: ______________________________

4. Location (installation, state): ______________________________

5. Length of course (*in weeks*): ______________________________

6. Dates of attendance: From: ____________ day/month/year To: ____________ day/month/year

7. Official military course number: ______________________________

8. MOS/AFSC/NEC: ______________________________

9. Course was designed for:
   - ☐ Warrant Officers
   - ☐ Officer Candidates
   - ☐ Commissioned Officers
   - ☐ Enlisted Personnel
   - ☐ Aviation Cadets
   - ☐ Noncommissioned Officers

10. Rank or rating upon completion of the course: ______________________________

11. Please give some indication of subjects studied in course:

____

____

SIGNATURE OF STUDENT	SIGNATURE OF COLLEGE OFFICIAL
NAME OF STUDENT	NAME OF COLLEGE OFFICIAL
STATUS (FRESHMAN, SOPHOMORE, ETC.)	TITLE
	INSTITUTION
	STREET
	CITY STATE ZIP CODE
	AREA CODE NUMBER EXT

DO NOT WRITE IN THIS SPACE
OEC STAFF USE

AMERICAN COUNCIL ON EDUCATION

J. W. Peltason, *President*

The American Council on Education, founded in 1918 and composed of institutions of higher education and national and regional education associations, is the nation's major coordinating body for postsecondary education. Through voluntary and cooperative action, the Council provides comprehensive leadership for improving educational standards, policies, and procedures.

The Office on Educational Credit and Credentials is the Council's division concerned with credit and credentialing policies and practices in postsecondary education. The role of the office and its policy-making and advisory arm, the Commission on Educational Credit and Credentials, is to give attention to educational credit and credentialing policies for postsecondary education; to foster high standards and sound practices for the evaluation and recognition of extra-institutional learning; to foster and operate programs to establish and publish credit equivalencies for extra-institutional learning, and to advise postsecondary education institutions on how these credit equivalencies can be used in placing students in academic programs and in credentialing educational accomplishment; to assist postsecondary education institutions in providing people with due recognition for competency, knowledge, and skills, wherever and however obtained; and to provide people with an alternative means of demonstrating high-school-graduation competencies. OECC makes credit recommendations for testing programs such as the College-Level Examination Program (CLEP) and administers the General Educational Development (GED) Testing Program. OECC also makes credit recommendations for formal courses offered by the military and other noncollegiate sponsors such as business, industry, government agencies, voluntary and professional associations, and labor unions; for Army military occupational specialties (MOS's) and Navy ratings; and for home study courses accredited by the National Home Study Council.